DEPARTMENT OF THE NAVY FY 1999 AMENDED BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 1998

PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4: COMMUNICATIONS AND ELECTRONICS EQUIPMENT

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 1999 Procurement Program

			TOA,	\$ IN 1	MILLIONS			
INE	IDENT	(DOLLARS) FY 1999		FY 1997		 198	FY 1999	
NO ITEM NOMENCLATURE	CODE	UNIT COST	QUANTITY		QUANTITY	COST	QUANTITY COST	
BUDGET ACTIVITY 04: Communications and Electron:								
Repair And Test Equipment								
15 4402 Auto Test Equip Sys	В			11.6		11.8	19.3	
16 4429 General Purpose Electronic Test Equip.	А			8.4		8.9	9.2	
Intell/Comm Equipment (NON-TEL)								
17 4683 AN/TPQ-36 Fire Finder Radar Upgrade	А			34.0		.2	.2	
18 4747 Intelligence Support Equipment	В			31.5		20.9	10.4	
19 4749 Mod Kits (Intel)	А			7.2		5.7	4.8	
20 4751 Items Less Than \$2M (Intell)	A			. 4		.6	-	
Repair And Test Equipment (NON-TEL)								
21 4837 General Prupose Mechanical TMDE	А			3.0		16.8	4.4	
Other Comm/Elec Equipment (NON-TEL)								
22 4930 Night Vision Equipment	В			19.9		6.8	11.6	
Other Support (NON-TEL)								
23 4631 Command Post Systems	А			10.1		13.6	7.1	
24 4632 Maneuver C2 Systems	В			6.7		7.8	19.3	
25 4633 Radio Systems	В			42.5		26.3	52.9	
26 4634 Comm Switching & Control Systems	В			14.0		43.6	75.8	
27 4635 Comm & Elec Infrastructure Support	А			56.8		61.2	57.9	
28 4636 Mod Kits MAGTF C41	В			53.3		22.4	27.4	
29 4637 Items < \$2M MAGTF C41	A			.3		. 4	2.4	
30 4638 Modification Kits (Other)	А			11.0		1.7	-	

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 1999 Procurement Program

APPROPRIATION: 1109N Procurement, Marine Corps DATE: 01/23/98 TOA, \$ IN MILLIONS LINE IDENT NO ITEM NOMENCLATURE CODE ----3.2 31 4639 Items < \$2M (Other) A 3.2 4.3 U 32 4640 Air Operations C2 Systems 10.9 9.1 11.5 U A 325.0 261.0 318.5 TOTAL Communications and Electronics Equipment

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Exhibit P-1R

Department of the Navy

FY 1999 Procurement Program - Reserve Component

APPROPRIATION: 1109N Procurement, Marine Corps DATE: 01/23/98 TOA, \$ IN MILLIONS (DOLLARS) IDENT FY 1999 ----FY 1997--- ----FY 1998--- E
CODE UNIT COST QUANTITY COST QUANTITY COST C LINE NO ITEM NOMENCLATURE BUDGET ACTIVITY 04: Communications and Electronics Equipment Repair And Test Equipment 6 4402 Auto Test Equip Sys(RESERVE) 2.7 4.2 U Intell/Comm Equipment (NON-TEL) 7 4683 AN/TPQ-36 Fire Finder Radar Upgrade(RESERVE) A 7.7 - U 8 4747 Intelligence Support Equipment(RESERVE) В 3.2 1.0 U Other Support (NON-TEL) 9 4631 Command Post Systems(RESERVE) Α 1.7 2.4 - U 10 4632 Maneuver C2 Systems(RESERVE) В 1.0 3.1 U 11 4633 Radio Systems(RESERVE) В 4.7 U 12 4634 Comm Switching & Control Systems(RESERVE) 2.2 12.9 U В 13 4636 Mod Kits MAGTF C41(RESERVE) 9.6 . 4 .2 U 14 4640 Air Operations C2 Systems(RESERVE) 3.2 U TOTAL Communications and Electronics Equipment 29.4 21.2 9.7

Procurement, Marine Corps Program and Financing (in Thousands of dollars)

	Budget Plan (actions	programed)	ROCUREMENT	Obligations			
Identification code 17-1109-0-1-051	1997 actual	1998 est.		1997 actual			
Program by activities:							
Direct program:							
00.0201 Weapons and combat vehicles	31,960	30,427	111,132	41,251	24,881	104,374	
00.0301 Guided missiles and equipment 00.0401 Communications and electronics equipment	53,285 325,004 28,431 99,916	66,142	84,U41	65,567 211 101	58,553	78,557	
00.0501 Support vehicles	323,004 20 431	200,973	141 494	22 450	257,710 27 282	122 023	
00.0601 Engineer and other equipment	99 916	50,399	54 089	92 106	80 515	59 741	
00.0701 Spares and repair parts	42,093	26,558	36,576	43,873	21,853	33,460	
00.9101 Total direct program				576,357			
01.0101 Reimbursable program	3,484	9,400	9,400	210	12,884	9,400	
10.0001 Total	584,173	482,893	755,258	576,567	493,678	708,766	
Financing:							
Offsetting collections from:							
11.0001 Federal funds(-)	-3,484	-9,400	-9,400	-3,324	-9,400	-9,400	
17.0001 Recovery of prior year obligations				-18,316			
Unobligated balance available, start of year:				400 506	400 400	400 505	
21.4002 For completion of prior year budget plans	-11,407			-109,786	-139,490	-128,705	
21.4003 Available to finance new budget plans 21.4009 Reprograming from/to prior year budget plan	-11,40/			-11,407			
22.1001 Unobligated balance transferred to other acco	1,100			1,100			
Unobligated balance available, end of year:	1,100			1,100			
24.4002 For completion of prior year budget plans				139,490	128,705	175,197	
25.0001 Unobligated balance expiring	1,159			1,159			
39.0001 Budget authority		473,493	745,858	575,482	473,493	745,858	
Budget authority:							
40.0001 Appropriation	566,926	482,398	745,858	566,926	482,398	745,858	
40.7601 Reduction pursuant to P.L. 105-56 (-). 8041	·	-8,905	.,	,	-8,905		
41.0001 Transferred to other accounts (-)	-4,000			-4,000			
42.0001 Transferred from other accounts	12,556			12,556			
43.0001 Appropriation (adjusted)	575,482			575,482			

Procurement, Marine Corps Program and Financing (in Thousands of dollars)

	Budget Plan (actions	amounts for F programed)	PROCUREMENT	Obligations			
Identification code 17-1109-0-1-051	1997 actual	1998 est.	1999 est.	1997 actual 1998 est.	1999 est.		
Relation of obligations to outlays: 71.0001 Obligations incurred 72.4001 Obligated balance, start of year 74.4001 Obligated balance, end of year 77.0001 Adjustments in expired accounts (net) 78.0001 Adjustments in unexpired accounts				573,243 883,948 -719,673 -118,559 -18,316	484,278 719,673 -739,383	699,366 739,383 -961,636	
90.0001 Outlays (net)				600,643	464,568	477,113	

Procurement, Marine Corps Object Classification (in Thousands of dollars)

Identification code 17-1109-0-1-051	1997 actual	1998 est.	1999 est.
Direct obligations:			
122.001 Transportation of things	2,210	1,396	1,899
125.101 Advisory and assistance services	6,150	7,402	6,822
Purchases goods/services (inter/intra) Fed accounts			
125.303 Purchases from revolving funds	14,140	12,759	38,703
126.001 Supplies and materials	26,400	23,400	36,300
131.001 Equipment	527,457	435,837	615,642
199.001 Total Direct obligations	576,357	480,794	699,366
Reimbursable obligations:			
231.001 Equipment	210	12,884	9,400
299.001 Total Reimbursable obligations	210	12,884	9,400
000 001 7 1 1 1 1 1 1 1		402.650	
999.901 Total obligations	576,567	493,678	708,766

Comparison of FY 1997 Program Requirements as Reflected in the FY 1998 Budget with the FY 1997 Requirements as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

DATE: February 1998

NOMENCLATURE	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase or decrease (-)
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	31.1	32.0	0.9
BA 3 GUIDED MISSILES & EQUIPMENT	53.4	53.3	-0.1
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	329.5	325.0	-4.5
BA 5 SUPPORT VEHICLES	28.2	28.4	0.2
BA 6 ENGINEER & OTHER EQUIPMENT	94.9	99.9	5.0
BA 7 SPARES & REPAIR PARTS	42.6	42.1	-0.5
Subtotal Direct Program	579.7	580.7	1.0
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	589.1	590.1	1.0

Comparison of FY 1997 Program Requirements as Reflected in the FY 1998 Budget with the FY 1997 Requirments as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles \$.9

All changes were the result of minor execution adjustments \$.9

3. Guided Missiles and Equipment (\$0.1)

All changes were the result of minor execution adjustments (\$0.1)

4. Communications and Electronics Equipment (\$4.5)

All changes were the result of minor execution adjustments (\$4.5)

5. Support Vehicles \$.2

All changes were the result of minor execution adjustments \$.2

6. Engineer and Other Equipment \$5.0

Changes were the result of reprogramming (\$3.2). The remainder is the result of minor execution adjustments (\$1.8)

7. Spares and Repair Parts (\$0.5)

All changes were the result of minor execution adjustments (\$0.5)

Comparison of FY 1997 Financing as Reflected in the FY 1998 Budget with the FY 1997 Financing as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

	Financing	Financing	
Description	per FY 1998 Budget	per FY 1999 Budget	
Program Requirements (Total) (Total Direct) (Total Reimbursable)	589.1 (579.7) (9.4)	590.1 (580.7) (9.4)	
Less: Anticipated Reimbursements Appropriation Rescinded	9.4	9.4 0.0	
Add: Transferred from other accounts	1.0		
Appropriation (Adjusted)			

Comparison of FY 1997 Financing as Reflected in the FY 1998 Budget with the FY 1997 Financing as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

Explanation of Changes

The change between FY 1998 Presidential Budget to the FY 1999 Presidential Budget is a result of a transfer from Operations and Maintenance, Marine Corp (O&M,MC) 'to Procurement, Marine Corps (PMC) for Surf Eagle (\$1.0).

Comparison of FY 1998 Program Requirements as Reflected in the FY 1998 Budget with the FY 1998 Requirements as shown in the FY 1999 Budget

DATE: February 1998

Summary of Requirements (In Millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase or decrease (-)
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	29.5	30.4	0.9
BA 3 GUIDED MISSILES & EQUIPMENT	46.7	66.1	19.4
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	217.0	261.0	44.0
BA 5 SUPPORT VEHICLES	9.5	38.6	29.1
BA 6 ENGINEER & OTHER EQUIPMENT	46.6	50.8	4.2
BA 7 SPARES & REPAIR PARTS	24.9	26.6	1.7
Subtotal Direct Program	374.2	473.5	99.3
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	383.6	482.9	99.3

Comparison of FY 1998 Program Requirements as Reflected in the FY 1998 Budget with the FY 1998 Requirements as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles \$.9

Items Less Than \$2M received a Congressional increase of \$1.9M for M1A1 Tank Fuel System. The remainder is due to Congressional and minor execution adjustments (\$1.0).

3. Guided Missiles and Equipment \$19.4

The Javelin Program received a Congressional increase of \$17.0. The remainder was due to reprogramming and minor execution adjustments \$2.4.

4. Communications and Electronics Equipment \$44.0

Communications and Electronics Equipment received Congressional increases of \$52.2. The remainder was due to minor execution adjustments and reprogramming (\$8.2).

5. Support Vehicles \$29.1

The Light Tactical Vehicle Remanufacture (LTVR) program received Congressional increase of \$30.0. The remainder was due to minor execution adjustments (-0.9).

6. Engineer and Other Equipment \$4.2

The Field Medical (CBIRF) Program received Congressional increase of \$10.0. The remainder was due to reprogramming and minor execution adjustments (\$5.8).

7. Spares and Repair Parts \$1.7

All changes were the result of minor execution adjustments \$1.7

Comparison of FY 1998 Financing as Reflected in the FY 1998 Budget with the FY 1998 Financing as shown in the FY 1999 Budget

Summary of requirements (In millions of Dollars)

	Financing	Financing	
	per	per	
Description	FY 1998 Budget	FY 1999 Budget	
Program Requirements (Total)	383.6	482.9	
(Total Direct)	(374.2)	(473.5)	
(Total Reimbursable)	(9.4)	(9.4)	

Less:

Anticipated Reimbursements Appropriation Rescinded

Add:

Transferred from Other Accounts

Appropriation (Adjusted)

Comparison of FY 1998 Financing as Reflected in the FY 1998 Budget with the FY 1998 Financing as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1998 President's Budget. Congressional Increases to high priority Marine Corps Program resulted in increases totaling \$108.1 million. In FY 1998 reductions totaling \$.817 million were due to section 8041; \$7.2 million were due to section 8043 and \$.852 million were due to section 8106.

	Exhibit P-	40, Budget Item	Justific	ation Sheet			Date:		September 1997			
Appropriation / Budget Activity	//Serial No:				P-1 Item Nomencla	ture:						
Procurement, N	Marine Corps (1109) / Communications and E	lectronic Equipment (4) / 01	19		AUTO TEST EQUIP (P44419)							
Program Elements for Code B	l Items:	Code	e:	Other Related Prog	ram Elements:							
	Prior Years	F	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog	
Proc Qty			12	34	59	91				41	237	
Gross Cost	3.9		12.2	12.1	19.7	29.9					78	
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3.9		12.2	12.1	19.7	29.9					78	
Initial Spares				1.3	1.5	0.1					3	
Total Proc Cost	3.9		12.2	13.4	21.2	30.0					81	
Flyaway U/C											0.3	
Wpn Sys Proc U/C			1.0	.4	.4	.3					.3	

AUTOMATIC TEST EQUIPMENT: THIRD ECHELON TEST SET (TETS) PROVIDES MOBILE AUTOMATIC TEST CAPABILITIES TO THE FORWARD EDGE OF THE BATTLEFIELD TO TEST LINE REPLACEABLE UNITS (RU) AND CIRCUIT CARD ASSEMBLIES (CCA). TETS PROVIDES FOR THE RAPID RESTORATION OF WEAPON SYSTEMS AT OR NEAR THE FORWARD EDGE OF THE BATTLEFIELD. TETS CONSISTS OF HARDWARE AND SOFTWARE PORTABLE EQUIPMENT:

DT/OT - Not required ACAT IVM PE - RDT&E PE Number 26624M

MS I/II - May 95 MS III - May 98

Technical Data packages - Feb 99

Bid-Sample Testing was from Mid May to 3 July 97, resulting in the selection of a production contractor.

Field User's Testing is scheduled for Feb 98

Exhibit P-5, Weapon WPN SYST Cost Analysis		, Marine Co	rps (1109) / Comn		P-1 Line Item	Nomenclature: AUTO TEST E	QUIP (P44419)		Weapon System Type:		Date: September 1997	
Weapon System	ID	Electronic E	Equipment (4) / 0 ⁻	19	FY 97 FY 98		FY 99					
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-657 THIRD ECHELON TEST SET TETS (BASIC) TETS (RF)	В			2074 1504	8	259273 376212	2337 8058	9 25		3377 14745		24120 32767
SPECIAL TEST EQUIPMENT OTHER SUPPORT FACTORY TRAINING TRAVEL ILS NON-RECURRING ENGINERING				1479 1521 100 10			100 1466 100 10 50			100 1292 100 10 50		
TOTAL				12153			12121			19674		
Active Total Reserve Total							9471 2650			15432 4242		

Cocurement Histo Weapon Location Contr Meth and T G, CORP C/F	on System Intract sthod Type		Award Date Aug-97	P-1 Line Item Date of First Delivery Jan-98		259 376		Date Revsn Avail	RFP Issue Date
Location Control Method and T	ntract bthod Type	Location of PCO MARCORSYSCOM	Award Date Aug-97	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Revsn	Date
Meth and T	Type /FP N	MARCORSYSCOM	Aug-97	Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Revsn	Date
Meth and T	Type /FP N	MARCORSYSCOM	Aug-97	Delivery	Each 8	\$000 259	Avail Now?	Revsn	Date
IG, CORP C/F	/FP M				8	259	Y	Avail	Apr-96
				Jan-98					Apr-96
				Jan-98					Apr-9
C/F	/FP M	MARCORSYSCOM							
			May-98	Sep-98	9 25	260 322	Y Y		
C/F	/FP N	MARCORSYSCOM	Nov-98	Mar-99	14 45	241 328	Y Y		
C/F	/FP N	MARCORSYSCOM	Nov-99	Mar-00	91	317	Y		
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						14 45	14 241 45 328	14 241 Y 45 328 Y	14 241 Y 45 328 Y

Exhibit P-20, Req	uiromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
· -		Procurem	ent, Marine Corps (110	,	nd Electronic Equipme	ent (4) / 019		September-97	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	AUTO TEST EQUIP (P44419)			9	Months			5	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			12	34	. 59	91			
Unit Cost			Various	Various	Various	317.0			
Total Cost			3578.0	10395.0	18122.0	28847.0)		
Asset Dynamics									
Beginning Asset Positi	on				17	81	196	196	196
Deliveries from:	FY 1997 Funding			12					
Deliveries from:	FY 1998 Funding			5	29				
Deliveries from:	FY 1999 Funding				35	24			
Deliveries from Subse	quent Years Funds					91			
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			17	81	196	196	196	196
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
237	Expenditures		sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:						=		Storage	

Remarks:

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FY 98 / 99 BUDGET PROI	DUC	TION SC	HED		_								TO TE		QUIP ((P444	19)		4						.,		ptemb	er 199	.7		
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COST ELEMENTS	1		V		1 001	1 001	Т	V	C	N	В	R	R	Y	N	L	G	E P	Т	V	C	N	В	R	R	Y	N	L	G	P	R
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THIRD ECHELON TEST SET	U	98	МС	34		34								Α				5	5	5	5	5	5	4	1		1				
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THIRD ECHELON TEST SET	U	99	MC	59		59														Α				1	5	5	5	5	5	5	28
THIRD ECHELON TEST SET	U	00	MC	91		91																									91
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	Exhibit P-4	0, Budget Item Justific	cation Shee	t				September 1997		
Appropriation / Budget Activity/	/Serial No:			P-1 Item Nomencla	nture:					
Procurement, Mai	rine Corps (1109) / Communications and El	ectronic Equipment (4) / 020					General Purp	ose Electronic Test	Equip(P44588)	
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
<u> </u>	T T								1 1	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost	21.5	8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	21.5	8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Initial Spares		1.3	0.1							
Total Proc Cost	21.5	9.8	9.2	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Flyaway U/C										
Wpn Sys Proc U/C										

Funds allocated under this line are used to procure General Purpose Electronic Test Equipment (GPETE) items. Funds sustain modernization and standardization efforts, in addition to meeting new requirements. These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases). (RCN: 045887)

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budg Procurement, M	Marine Corps	s (1109) / Comm			Nomenclature: URPOSE ELECTI	RONIC TEST EQU	JIP (P44588)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID	El	lectronic Eq	uipment (4) / 02	0	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-646 TEST STATION	Α				84	10	8380						
AN/USM-646 SEMI-CONDUCTOR TEST	Α				88	10	8810						
MAINTENANCE KIT MK-2663	Α				376	75	5008						
GROUND TESTER (CLAMP-ON)	Α							89	50	1775			
GROUND TESTER	Α							149	50	2977			
FUNCTION GENERATOR	А				644	280	2300	588	250	2351	601	250	2403
POWER METER (PULSE)	А				307	30	10220						
POWER METER (CW)	А				288	120	2402	74	30	2455			
ADAPTER, OPTICAL	Α				62	20	3100						
PROTOCOL ANALYZER (LAN)	Α				594	30	19800	607	30	20236	827	40	20681
SIGNAL GENERATOR (RF)	Α							536	50	10716			
PROTOCOL ANALYZER (TEL)	Α				442	20	22100	452	20	22586	692	30	23083
HANDHELD BIT ERROR RATE TESTER (BERT)	Α				300	100	3000	307	100	3066	313	100	3133
SIGNAL GENERATOR (MW)	А				1800	100	18000						
TEST ADAPTER, RADIO	Α				2504	350	7154						
TEST SET, TELCOM	Α										320	25	12804
FREQUENCY COUNTER (CW)	Α				131	30	4350	133	30	4446	136	30	4544
ANALYZER, SPECTRUM (RF)	Α							200	25	8000	204	25	8176
OSCILLOSCOPE	А							2256	250	9025	2280	250	9119
SUBTOTAL					7619			5390			5374		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	//Serial No: rps (1109) / Comm Equipment (4) / 02			n Nomenclature: PURPOSE ELECT	RONIC TEST EQ	UIP (P44588)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID			1-1(7		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ADAPTER, CONNECTOR	Α							135	50	2700	138	50	275
BATTERY TESTER	Α							1238	250	4950	2505	500	501
ANALYZER POWER (HANDHELD)	Α							116	50	2325	119	50	237
TEST SET, RADIO	А				145	10	14500	297	20	14833	455	30	15160
ANALYZER, TMDE SYSTEM (RF)	Α							728	17	42850			
AMPLIFIER (RF)	Α							497	17	29250			
MULTIMETER	Α										97	50	1945
SOFTWARE SUPPORT Operating Software TPS/Gold Disks					300			293			289		
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing					481			448			436		
TOTAL					8545			9142			9413		

								Date:		
Exi	hibit P-5a, Budget Procurement I	listory a	nd Planning					S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature):			
Procurement, Marine Corps (1109) / Communications and Ele Equipment (4) / 020	ectronic				GEN	NERAL PURP	OSE ELECTRONIC	TEST EC	QUIP(P44	588)
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AN/USM-646 TEST STATION FY 97	VARIOUS	Proj Ord	Navy (NAVICP)	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A
AN/USM-646 SEMI-CONDUCTOR TEST FY 97	Huntron, Seattle, WA	MILSTRIP	Navy (NAVICP)	Jan-97	Apr-97	10	8380	Yes	N/A N/A	N/A N/A
MAINTENANCE KIT MK-2663 FY 97	Pace, Inc., Laurel, MD	Proj Ord	Navy (NSWC)	Feb-97	May-97	VAR	VAR	Yes	N/A	N/A
GROUND TESTER (CLAMP-ON) FY 98	AEMC, Boston, MA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
GROUND TESTER FY 98	PPM Inc, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
FUNCTION GENERATOR FY 97 FY 98	Hewlett Packard, Santa Clara, CA Hewlett Packard, Santa Clara, CA		Navy (NAVICP) Navy (NAVICP)	Jan-97 Jan-98	Apr-97 Apr-98	120 30	2402 2455		N/A N/A	N/A N/A
=Y 99	Hewlett Packard, Santa Clara, CA		, ,	Jan-99		VAR	VAR	Yes	N/A	N/A
POWER METER (PULSE) FY 97	Giga-Tronics, San Ramon, CA	MILSTRIP	Navy (NAVICP)	Jan-97	May-97	20	3100	Yes	N/A	N/A
POWER METER (CW)			4					.,		
FY 97 FY 98	Hewlett Packard, Santa Clara, CA Hewlett Packard, Santa Clara, CA				May-97 May-98	30 30	19800 20236		N/A N/A	N/A N/A

								Date:		
	P-5a, Budget Procurement							S	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020		Weapon Syste	ем Туре:		P-1 Line Item	Nomenclature GENERAL	e: _ PURPOSE TEST I	EQUIP (P4	14588)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	Date
ADAPTER, OPTICAL								•		
FY 97	ISG, Vienna, VA	C/FP	USMC	Jul-97	Jul-97	VAR	VAR	Yes	N/A	N/A
PROTOCOL ANALYZER (LAN)										
FY 97	Fluke, Everett, WA	C/FP	Navy (NAVICP)	Mar-97	Sep-97	VAR	VAR	Yes	N/A	N/A
FY 98	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
FY 99	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
SIGNAL GENERATOR (RF)										
FY 98	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-98	Apr-98	50	2977	Yes	N/A	N/A
PROTOCOL ANALYZER (TEL)										
FY 97	W&G, Triange Park, NC	C/FP	Navy (NAVICP)	Aug-97	Dec-97	VAR	VAR	Yes	N/A	N/A
FY 98	W&G, Triange Park, NC	MILSTRIP	Navy (NAVICP)	Jan-98		VAR	VAR	Yes	N/A	N/A
FY 99	W&G, Triange Park, NC		Navy (NAVICP)	Jan-99			VAR	Yes	N/A	N/A
HANDHELD BIT ERROR RATE TESTER (BERT)										
FY 97	IDS, Lincoln, RI	C/FP	USMC	Jan-97	Jul-97	VAR	VAR	Yes	N/A	N/A
FY 98	IDS, Lincoln, RI	MILSTRIP	USMC	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
FY 99	IDS, Lincoln, RI	MILSTRIP	USMC	Jan-99		VAR	VAR	Yes	N/A	N/A
SIGNAL GENERATOR (MW)										
FY 97	Wiltron, Morgan Hill, CA	C/FP	USMC	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A
TEST ADAPTER, RADIO										
FY 97	IFR Inc., Wichita, KS	C/FP	Army (CECOM)	Apr-97	Jul-97	30	4350	Yes	N/A	N/A
REMARKS:		1								<u> </u>

REMARKS:

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	xhibit P-5a, Budget Procurement I							S	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and E	Electronic	Weapon Syste	em Type:		P-1 Line Item	Nomenclature				
Equipment (4) / 020		_	7			GENERAL	PURPOSE ELECT			,
NBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
TEST SET, TELCOM										
FY 99	TTC, Germantown, MD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	25	8176	Yes	N/A	N/A
FREQUENCY COUNTER (CW)										
FY 97	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-97	May-97	VAR	VAR	Yes	N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98		50	10716	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
ANALYZER, SPECTRUM (RF)										
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	25	8000		N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	Jun-99	25	8176	Yes	N/A	N/A
OSCILLOSCOPE										
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	250	9025		N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	Apr-99	250	9119	Yes	N/A	N/A
ADAPTER, CONNECTOR										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	50	2700		N/A	N/A
=Y 99	TBD	C/FP	TBD	Jan-99	May-99	50	2759	Yes	N/A	N/A
BATTERY TESTER										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	250	4950	Yes	N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	May-99	500	5010	Yes	N/A	N/A
REMARKS:	<u> </u>	1	<u> </u>		1			1		

REMARKS:

E	xhibit P-5a, Budget Procureme	nt History a	nd Planning					S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	i.			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 020	Electronic				GEI	NERAL PURPO	OSE ELECTRONIC	TEST EC	QUIP(P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
ANALYZER POWER (HANDHELD)										
FY 98	TBD	C/FP	Navy (NAVICP)	Jan-98	May-98	50	2325	Yes	N/A	N/A
FY 99	TBD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	50	2374	Yes	N/A	N/A
TEST SET, RADIO										
FY 97	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-97	Jun-97	10	14500	Yes	N/A	N/A
FY 98	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-98	Jun-98	20	14833	Yes	N/A	N/A
FY 99	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-99	Jun-99	30	15160	Yes	N/A	N/A
ANALYZER, TMDE SYSTEM (RF)										
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	17	42850	Yes	N/A	N/A
AMPLIFIER (RF)										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	VAR	VAR	Yes	N/A	N/A
MULTIMETER										
FY 99	TBD	C/FP	TBD	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
REMARKS:										

Exhibit P-5A, Procurement Bli No. 442900 Item No. 16 Page 7 of 10 History and Planning

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Test Adapter, Radio	Α	96	М	400		400							Α						50	50	50	50	50	50	50	50					
Test Adapter, Radio	Α	97	М	350		350																			Α			50	50	50	200
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Oscilloscope	В	99	M	250		250																							\rightarrow	-	250
Oscilloscope	В	00	М	250		250																									250
Oscilloscope	В	01	М	168		168																									168
Battery Tester	С	98	М	250		250																									
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Test Adapter, Radio	Α	96	М	400	400																									
Test Adapter, Radio	Α	97	М	350		350	50	50	50	50																				
Oscilloscope	В	98	М	250		250				Α					50	50	50	50	50											
Oscilloscope	В	99	М	250		250																Α			50	50	50	50	50	
Oscilloscope	В	00	M	250		250																								2
Oscilloscope	В	01	М	168		168																								1
Battery Tester	С	98	М	250		250				A						50	50	50	50	50										
Battery Tester	C	99	M	500		500																Α				50	50	50	50	50 2
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NAME / LOCATION	ſ	MIN.		-8-5	MAX.	REACHED D+	Nur		INITIA	٨١	ı	_	Pri	or 1 O	ct.	Aft	ter 1 O	ct.	Aft	er 1 O	oct.	Aft	ter 1 O	ct.	All of	these	e items	are o	ommer	cial off-t
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TBD		1		100	500				INITIA REOF																					
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									REOF																					

FY 1998 / FY 1999 BUDGE	T PROI	DUCTIO	N SCI	HEDUL	E		F-11	tem No	omeni	Jame		ENER	AL PL	JRPOS	SE TE	ST EC	QUIP (I	P4458	38)			,	Date:			,	Septen	nber 1	997		
				PROC	ACCEP.	BAL	Fiscal Year 00													Fis	cal	Year	01					L			
	М		s	QTY	PRIOR	DUE								Cale	nda	r Ye	ar 00							Ca	alenc		ear (01			Α
	F R	FY	E	Each	TO 1 OCT	AS OF 1 OCT	O C	N	D	J	F	M	Α	M	J	J	A	S	0	N O	D	J	F	M	A P	M	J	J	A	S	T
COST ELEMENTS	, , ,		R V		1 001	1 001	T		E C	A N	E B	A R	P R	A Y	U	L	U G	E P	C T	٧	E C	A N	E B	A R	R	A Y	U N	U L	U G	E P	R
Test Adapter, Radio	Α	96	М	400	400																										
Test Adapter, Radio	Α	97	М	350	350																								\Box		
Oscilloscope	В	98	М	250	250																								\dashv		_
Oscilloscope	В	99	M	250	250																								-		_
Oscilloscope	В	00	М	250		250				Α			50	50	50	50	50														-
Oscilloscope	В	01	М	168		168																Α			50	50	50	18			_
Battery Tester	С	98	М	250	250																								\dashv		_
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PRODUCTION RATES						Т	V IFR	C	N	В	R	R	Υ	N	L EAD T	G	Р	Т	V MFR	C	Ν	B TOTAL	R	R	Y MARI	Ν	L		P	_	
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FR, Wichita, KS		1		100	500				INITI																prod	uction	lines	are fle	xible.	They a	
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								Date:								
	E	Exhibit P-40, I	Budget It	em Justific	cation Sheet			Septem	nber 1997		Feb-98					
Appropriation / Budget Activity/	/Serial No:					P-1 Item Nomenclature: AN/TPQ-36 FIREFINDER RADAR UPGRADES (P44007)										
Procurement, Ma	rine Corps (1109) / Comm	nunications and Electron	nic Equipment (4) / 028												
Program Elements for Code B	Items:			Code:	Other Related Prog											
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog				
Proc Qty				22								22				
Gross Cost				34.0	0.2	0.2					N/A	34.4				
Less PY Adv Proc																
Plus CY Adv Proc																
Net Proc (P-1)				34.0	0.2	0.2					N/A	34.4				
Initial Spares						1.9						1.9				
Total Proc Cost				34.0	0.2	2.1					N/A	36.3				
Flyaway U/C																
Wpn Sys Proc U/C																
The AN/TPQ-36 f					-		-			-	-					

The AN/TPQ-36 firefinder radar is used to locate hostile indirect fire weapons engaging friendly forces. After location, coordinates are passed to friendly fire support assets to engage the enemy. The AN/TPQ-36 was first fielded to the Marine Corps in 1985. The first of these block upgrades, (V)7, will result in reduction in size from five ton trucks to HMMWVs, improving battlefield mobility and strategic transportability. A subsequent upgrade, (V)8, will incorporate a new shelter with a much more capable electronics suite, improving range, throughput and communications. The results of both of these modification programs will be a highly mobile and greatly enhanced target acquisition capability. Approved Acquisition Objective of 22 each of these mods has been procured in FY97.

						D	ate							
	Exhibit F	P-40C Budget It	em Justifica	ation Sheet	t September 1997									
Appropriation / Budget Activity	/Serial No.			F	P-1 Item Nomenclature									
Procurement, M	larine Corps (1109) / Communications an	nd Electronic Equipment (4)	/ 028				AN/TPQ-36 FIREFIN	DER RADAR UPGR	ADES (P44007)					
Program Elements for Code B	Items		Code	Other Related Progra										
Description		Fiscal Years												
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total			
AN/TPQ-36(V)7														
MOD 1	DOWNSIZE	0.0	10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.2			
AN/TPQ-36(V)8														
MOD 2	ELEC UPGRADE	0.0	24.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	24.2			
Totals		0.0	34.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	34.4			

Exhibit P-5, Weapon WPN SYST Cost Analysis							m Nomenclature: 6 FIREFINDER RA	ADAR UPGRADES	S (P44007)	Weapon System	Type:	Date: September 1997		
Weapon System	ID			1-1 - ()-		FY 97			FY 98			FY 99		
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	
Oost Elements					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	
AN/TPQ-36 (V)7 (DOWNSIZE)	А				10036		456182	•		·	¥		Ť	
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)	А				24004	22	1091091							
ILS								172			158			
TOTAL					34040			172			158			
Active:					(26304)									
Reserve:					(7736)									

PT - 11 - 1	ikit D. Co. Durdwet Due comment	l I!a4am	and Diametra					Date:		
	ibit P-5a, Budget Procurement				ē			S	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electr	ronic	Weapon Syst	em Type:			Nomenclature				
Equipment (4) / 028			Ī		Αħ	N/TPQ-36 FIRI	EFINDER RADAR			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AN/TPQ-36 (V)7 (DOWNSIZE)										
FY 97	MCLB BARSTOW	WR	MCLB BARSTOW	Dec-96	Oct-97	22	456182	Υ	NOW	
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)										
AN/TPQ-36 (V)7 (DOWNSIZE) FY 97 AN/TPQ-36 (V)8 (ELEC ENHANCEMENT) MCLB BARSTOW	C-FFP	CECOM	Feb-97	Jun-98	22	1091091	Υ	NOW		
									NOW	
		1		1						1

INDIVIDUAL MODIFICATION Date September 1997 MODIFICATION TITLE: AN/TPQ-36(V)7 MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES FOR A DOWNSIZING OF THE CURRENT SYSTEM FROM FIVE TON TRUCKS TO HMMWVS TO IMPROVE BATTLEFIELD MOBILITY AND STRATEGIC TRANSPORTABILITY. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: USMC PROCURMENT DECISION 1ST QTR FY97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 3 3 1 3 8 7 Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 То Totals 3 Complete Inputs 22 Outputs 22 METHOD OF IMPLEMENTATION: PRODUCTION LEADTIME: DEPOT MOD LINE ADMINISTRATIVE LEADTIME: 2 Months 10 Months Contract Dates: FY 1997 Dec 96 FY 1998 FY 1999 Delivery Date: FY 1998 FY 1999 FY 1997 Oct 97

Bli No. 468300 Item No. 17 Page 5 of 10 Exhibit P-3a Individual Modification

					II	NDIVIDUA	AL MOD	OIFICATIO	DN							Date		Septen	nber 1997	
MODIFICATION TITLE (Cont):		A٨	I/TPQ	-36(V)7	MOE) 1														
FINANCIAL PLAN: (\$ in Millions)																				
		1996																		
		Prior		1997 ©		1998		1999		2000		2001		2002		2003		TC		TAL
RDT&E PROCUREMENT	Qty	00.028	Qty	\$ 00.084	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	00.112
Kit Quantity			22																22	
Inst Kits, Nonrecurring			22	10.036																10.036
Equipment, Nonrecurring																				
ECO																				
Other						0.086		0.079												0.165
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost				40.000		0.000		0.070					1							40.004
Total Procurement Cos				10.036		0.086		0.079								<u> </u>				10.20

Bli No. 468300 Item No. 17 Page 6 of 10 Exhibit P-3a Individual Modification

INDIVIDUAL MODIFICATION Date September 1997 MODIFICATION TITLE: AN/TPQ-36(V)8 MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES A NEW CREW SHELTER WITH AN IMPROVED RADAR PROCESSOR AND SOFTWARE. THIS ENHANCES THE RADAR'S CAPABILITIES BY INCREASING ITS RANGE AND LOCATION ACCURACY. A SELF LOCATING CAPABILITY IS ALSO PROVIDED WITH THE ADDITION OF THE MODULAR AZIMUTH POSITIONING SYSTEM. THIS WILL GREATLY IMPROVE POSITION OCCUPATION TIME. CREW SURVIVABILITY IS ALSO BETTER DUE TO THIS SYSTEM'S ABILITY TO REMOTE. THESE IMPROVEMENTS OVERCOME DEFICIENCIES IDENTIFIED DURING OPERATION DESERT STORM. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: ARMY (JOINT LEAD) MS III 4TH QTR FY 96 USMC PROCUREMENT DECISION 2ND QTR FY 97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 3 3 3 4 1 3 4 2 10 Inputs Outputs 10 FY 2002 FY 2003 FY 2004 FY 2005 To Totals 3 Complete Inputs 22 Outputs 22 METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 16 Months

FY 1998

FY 1998

Jun 98

FY 1999

FY 1999

FY 1997

FY 1997

Feb 97

Contract Dates:

Delivery Date:

					IN	IDIVIDUA	L MODI	FICATIO	N							Date		Septer	nber 1997	
MODIFICATION TITLE (Cont):		AN	I/TPQ	-36(V)8	MOD	2														
FINANCIAL PLAN: (\$ in Millions)																				
		1996																		
		Prior		1997		1998		1999		2000		2001		2002		2003		rc .		TAL
55705	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E		00.028		00.062																00.090
PROCUREMENT			00																00	
Kit Quantity			22	04.004															22	
Inst Kits, Nonrecurring				24.004																24.004
Equipment, Nonrecurring																				
Equipment, Nonlecuring																				
ECO																				
Other						0.000		0.070												0.405
Other						0.086		0.079												0.165
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits																				
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																	<u> </u>			
Installment Cost				04.004		0.000		0.070												04.400
Total Procurement Cos				24.004		0.086		0.079												24.169

Bli No. 468300 Item No. 17 Page 8 of 10 Exhibit P-3a Individual Modification

FY 98 / 99 BUDGET PROD	OUC	CTION SC	HED	ULE			P-1 Ite	em No	meno	ature: Al	: N/TPC	-36 F	IREFI	NDER	RAD	AR UF	PGRA	DES (P4400	17)			Date	3 :			Septe	ember	1997		
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AN/TPQ-36 (V)7 (DOWNSIZE)																															
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AN/TPQ-36 (V)8 (ELEC ENHANCEMEN	T)																										1				
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	FY 98 / 99 BUDGET PROD	UC	TION SC	HED	ULE			P-1 II	em No	menc		: N/TPQ	-36 FI	IREFI	NDER	RAD	AR UF	PGRAI	DES (P4400	07)			Date	:			Septer	mber 1	1997		
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	Evhibit D	IO, Budget Item Justific	nation Shoot	,		Date:				
		o, budget item Justini	Jation Sneet					February 1998		
Appropriation / Budget Activity/				P-1 Item Nomencla	iture:					
Procurement, Mai	rine Corps (1109) / Communications and E	lectronic Equipment (4) / 029				INTELLIGENC	E SUPPORT EQUIP	MENT (P44257)		
Program Elements for Code B	Items:	Code:	Other Related Prog	gram Elements:						
				1		<u> </u>	1	<u> </u>	1	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost	71.5	31.5	20.9	10.4						134.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	71.5	31.5	20.9	10.4	0.0					134.3
Initial Spares	2.5	4.1	6.9	10.1	1.9					25.4
Total Proc Cost	74.0	35.5	27.8	20.5	1.9					159.7
Flyaway U/C										
Wpn Sys Proc U/C										

This is a composite line of the intelligence equipment which includes:

Secondary Imagery Dissemination System (SIDS)

Team Portable Communication System (TPCS)

Intelligence Analysis System (TCAC)

Intelligence Analysis System (IAS) (MEF)

Commanders Tactical Terminal (CTT)

Radio Reconnaissance Equipment Program (RREP)

CI/HUMINT

Portable SATCOM Radios

										Date:				
		Exl	nibit P-40a,	, Budget	Item Just	ification	for Aggre	egated Ite	ms			February 199	8	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corps (1109) / C	Communica	ations and Electron	ic Equipment						TELLIGENCE :	SUPPORT EQU	IPMENT (P442	257)	
Procurement Items	Code	UOM	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complet	Total Prog
SECONDARY IMAGE DISSEMINATION SYS		D Q	2.0			6.9	3.2	0.0	0.0	0.0	0.0	0.0		12.0
TEAM PORT COMM SYS (TPCS - UPGRADE)		D	14.5			3.4	0.0	0.0	0.0	0.0	0.0	0.0		17.9
		Q												0
INTELLIGENCE ANALYSIS SYSTEM (TCAC)		D	0.0			10.7	0.0	0.0	0.0	0.0	0.0	0.0		10.7
		Q												0
INTELLIGENCE ANALYSIS SYSTEM (MEF)		D	1.0			6.9	9.8	10.4	0.0	0.0	0.0	0.0		28.0
COMMANDERS TACTICAL TERMINAL		Q D	12.3			1.0	2.6	0.0	0.0	0.0	0.0	0.0		15.8
COMMINICAL TERMINAL		Q												0
RADIO RECONNAISSANCE EQUIP PROGRAM	И	D	0.0			2.7	0.0	0.0	0.0	0.0	0.0	0.0		2.7
		Q												0
CI/HUMINT		D	0.0			0.0	4.6	0.0	0.0	0.0	0.0	0.0		4.6
D. J. J. GATGOM D. II		Q	2.2			2.2	0.0	0.0	0.0	0.0	0.0	2.2		0.8
Portable SATCOM Radios		D Q	0.0			0.0	0.8	0.0	0.0	0.0	0.0	0.0		0.8
		<u> </u>												

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis				rps (1109) / Comr		INTELL	IGENCE SUPPOR	RT EQUIPMENT (F	P44257)			Feb	ruary 1998
Weapon System	ID		Electronic i	Equipment (4) / 0	2 9	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
OOST Elements					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SECONDARY IMAGE DISSEMINATION SYS TEAM PORT COMM SYS (TPCS - UPGRADE) INTELLIGENCE ANALYSIS SYSTEM (TCAC) INTELLIGENCE ANALYSIS SYSTEM (MEF) COMMANDERS TACTICAL TERMINAL RADIO RECONNAISSANCE EQUIP PROGRAM CI/HUMINT Portable SATCOM Radios					958 2700	Each	\$000	3177 9767 2585 4600 792	Eacil	\$000	10363	Edui	\$000
Totals Active Reserve					31471 (31471) (0)			20921 (20764) (157)			10363 (9375) (988)		

	Exhibi	t P-40, Budget	Item Justific	cation Shee	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mar	ine Corps (1109) / Communications	and Electronic Equipmen	t (4) / 029			\$	SECONDARY IMAG	ERY DISSEMINATION	ON SYSTEM (A440	72)	
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	10		41	20							71
Gross Cost	2.0		6.9	3.2							12.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	2.0		6.9	3.2							12.0
Initial Spares				0.5							0.5
Total Proc Cost	2.0		6.9	3.6							12.5
Flyaway U/C											
Wpn Sys Proc U/C	0.199		0.167	0.159							

Manpack Secondary Imagery Dissemination System (SIDS) provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communciations assets in near real time. This will give the MAGTF commander access to time sensitive reconnaissance imagery. The system will be fielded to ground reconnaissance units within the MAGTF.

The SIDS system consists of a base station and 3 out stations. Previous submissions accounted for individual components. Consequently, the unit cost of the system is significantly larger than the unit cost of the individual components.

Exhibit P-5, Weapon		Appropriation/ B					em Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	nt, Marine Co	orps (1109) / Comr Equipment (4) / 0	munications and 29	SECON	DARY IMAGERY (A44	DISSEMINATION 072)	SYSTEM			Febr	uary 1998
Weapon System	ID		Liootionio	Equipmont (1) / O		FY 97	(///	0.2)	FY 98			FY 99	,
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	_				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Manpack SIDS	А				6286	41	153317	2892	20	144600			
FACTORY TRAINING					245			123					
TAD					50			25					
Contractor Support					274			137					
Total Cost Active					6855 (6855)			3177 (3020)					
Reserve					(0)			(157)					
ı													

	Exhibit P-5a, Budget Procurement	nt History a	nd Planning					Februa	ary 1998	
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	e:		,	
Procurement, Marine Corps (1109) / Communications Equipment (4) / 029	s and Electronic				SEC	ONDARY IMA	GERY DISSEMINA	TION SY	STEM (A4	14072)
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
'Y 97 ⁄lanpack SIDS	Integration of System, Crane,IN	FFP/O	Crane,IN	Oct-97	Nov-97	41	153317	Yes	No	N/A
Y 98 Manpack SIDS	Integration of System, Crane,IN	FFP/O	Crane,IN	Nov-97	Dec-97	20	14460	Yes	No	N/A
REMARKS:		<u> </u>	•	<u> </u>						

Exhibit P-20	Poquiro	monte St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	•		-	Procurem	ent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 029		February 1998	
P-1 Line Item Nomencla	ature (Include DO	ODIC for Ammur	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	INTELLIGENC	E SUPPORT E	QUIPMENT (A44072)			4	Months			1	Months
Secondary Image	ry Dissemin	ation Syster	n (A44072)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					41	20					
Unit Cost					167.2	158.9					
Total Cost					6855.0	3177.0					
Asset Dynamics											
Beginning Ass	et Position				10	10	71	71	71	71	7
Deliveries from	n:	FY 1997	Funding			41					
Deliveries from	n:	FY 1998	Funding			20					
Deliveries from		FY 1999	Funding								
Deliveries from	n Subsequei	nt Years Fur	nds								
Other Gains											
Combat Losse											
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/Att	ritions									
End of Year As	sset Positior	1			10	71	71	71	71	71	7
Inventory Objective	ve or Curren	t Authorized	Allowance								
Inventory Ob	bjective	Actu	ual Training	Other tha	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
73		Ex	penditures	Us	sage	(Vehicle	es/Other)	for Replacemer	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:	73	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:	73									Storage	

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FY 1998 / FY 1999 BUDGET	PRO	DUCTIO	N SCI	HEDUL	E		P-1 I	tem No		clature ONDA		1AGEI	RY DI	SSEM	IINAT	ION S	SYSTE	M (A	14072)			Date		Febru	ary 19	98				
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	М		s	QTY	PRIOR	DUE								Cale	enda	r Ye	ar 9							С	alen	dar	Year	97			Α
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Crane, IN.																															
Manpack Sids, NSWC		98	М	20	0	20																									20
Crane, IN.																															
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Manpack Sids, Reserves *		98	М	20	0	20																									20
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FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCI	HEDUL	E		P-1 I	tem No			RY IIV	1AGEF	RY DI	SSEM	IINAT	ION S	YSTE	M (A4	14072)				Date	:			Febr	uary 1	998		
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COST ELEMENTS	R		R V		1 OCT	1 OCT	C	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E	O C T	0 V	E C	A N	E B	A R	P R	A	U N	U	U G	E P	E R
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Manpack Sids, NSWC		97	M	41	0	41	Α	14	14	13																					
Crane, IN.																															
Manpack Sids, NSWC		98	М	20	0	20		А	14	6																					
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Manpack Sids, Reserves *	-	98	1.4	20	0	20		\vdash	14	_		-							lacksquare				<u> </u>	<u> </u>	1—	 			$\vdash \vdash$	\dashv	
Manpack Sids, Reserves		98	M	20	U	20		Α	14	6									-										\vdash		
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R NAME / LOCATION 1 Intergration of System, Crane, IN		MIN. 2	'	1-8-5 14	30	D+			INITIA	RDER							4		lacksquare	1		-	5		-						
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	Exhib	t P-40, Budget	tem Justific	ation Sheet			Date: February 1998	3			
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:	<u></u>				
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment	(4) / 029				TEAM PORT CO	MM SYS (TPCS - UF	PGRADE) (A44522)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			A	<u> </u>							
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	9		2								11
Gross Cost	14.6		3.4								24
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	14.6		3.4	0.0							24
Initial Spares				1.6							1.6
Total Proc Cost	14.6		3.4	1.6							25
Flyaway U/C											
Wpn Sys Proc U/C	1.622		1.686								

Team Portable Communications Intelligence (COMINT) System (TPCS) is a semi-automated, man packable / team transportable signals intelligence system providing intercept, radio direction finding, analysis, reporting and collection management support to the Marine Air Ground Task Force Commander. TPCS is comprised of non-developmental items (NDI) and considered low risk.

Item No. 18 Page 10 of 50

The AN/PSQ-9 will replace the AN/PRD-10 and the AN/GRR-8 as well as add new capability.

TPCS UPGRADE BEGINNING FY99 IN MOD KITS (INTEL) BLI NO. 474900

		t, Marine Co				m Nomenclature: RT COMM SYS (T	PCS - UPGRADE		Weapon System	Type:	Date:	ruary 1998
15		Electronic	Equipment (4) / 0	29	EV 07			EV 00				lualy 1990
				TotalCost		UnitCost	TotalCost		UnitCost	TotalCost		UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
А					2							
				1024	8	128000						
				84	16	5250						
				541	32	16906						
				58	14	4143						
				1140	2	570000						
				124								
				265								
				25								
				110								
				3371								
	A A	IDCD	Electronic	Electronic Equipment (4) / 0 ID CD	CD	Electronic Equipment (4) / 029 FY 97	CD	D	Electronic Equipment (4) / 029 FY 97 FY 98	D FY 97 FY 98	D	D

	Exhibit P-5a, Budget Procureme	nt History ar	nd Planning					Date:	February	1998
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	e:		. obradiy	1000
Procurement, Marine Corps (1109) / Communica Equipment (4) / 029	itions and Electronic				TE	EAM PORT CO	OMM SYS (TPCS -	UPGRAD	E) (A4452	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
FY 97										
VJ9605 Front Panel	Watkins-Jonson	O/IDIQ	NSA	Jun-97	Aug-97	16	5250	Yes	No	N/A
Jnit	Gaithersburg, MD									
ntercept Rec	Watkins-Jonson	O/IDIQ	NSA	Jun-97	Sep-97	32	16906	Yes	No	N/A
mercept Nec	Gaithersburg, MD	O/IDIQ	NOA	Juli-97	3ep-31	32	10900	163	INO	11//
rcims .										
	SAIC	O/IDIQ	CECOM	May-97	Dec-97	14	4143	Yes	No	N/A
	San Diego, CA									
OF Units	W 41:	0,4510	NOA				100000	.,		
	Watkins-Jonson Gaithersburg, MD	O/IDIQ	NSA	Dec-97	May-98	8	128000	Yes	No	N/A
Tophunter System	Gaithersburg, MD									
Jnit	Harris Corp	C/FPI/O	NSA	Jul-97	Apr-98	2	570000	Yes	No	N/A
	Melbourne, FL									
		1							1	

Exhibit P-20, Req	uiromonto Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit P-20, Req	uirements Study	Procurem	nent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 029		Februa	ary 1998
P-1 Line Item Nomenclature (Inc	lude DODIC for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
INTELL	LIGENCE SUPPORT EQUIPMENT (A445	22)		10	Months			9	Months
Team Portable Comm Ir	ntel Sys (A44522)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			2						
Unit Cost			1685.5						
Total Cost			3371.0						
Asset Dynamics									
Beginning Asset Pos	ition		3	9	11				
Deliveries from:	FY 1997 Funding			2					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains			6						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	ts/Attritions								
End of Year Asset Po	osition		9	11	11				
Inventory Objective or C	urrent Authorized Allowance								
Inventory Objective	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	
11	Expenditures	U	sage	(Vehicle	es/Other)	for Replaceme	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru	·			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remark

FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCH	IEDUL	E		P-1 I	tem No			ORT (ОММ	SYS	(TPC	S - UI	PGRA	DE) (A	44452	22)				Date	1:			Febr	uary 1	998		
				PROC	ACCEP.	BAL					Fis	cal Y											Fis		Yea						L
	М		S	QTY	PRIOR	DUE							(Cale	ndaı	r Yea	ar 96	;						С	alen	dar \	Year	97			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S E	0	N	D	J	F	М		М	J	J	Α	S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	Α	P R	A Y	U N	U L	U G	E P	O C T	0 V	E C	A N	E B	A R	P R	M A Y	U N	U L	U G	E P	E R
Direction Finding Units	1	97	MC	8	0	8																									8
WJ-9605 Front Panel Unit	1	97	MC	16	0	16																					A		8	8	
WJ-8654-4 Receiver	1	97	MC	32	0	32																					Α		$\vdash \vdash$	16	16
TCIMS	1	97	МС	14	0	14																				Α					14
TOP Hunter System	1	97	MC	2	0	2																						Α			2
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М		Р	RODUCTI	ON RATES			М	FR	С	N	В	R	R			L EAD T	IME	Р		MFR			TOTA		R R	Y EMAR		L	G	Р	
F NAME / LOCATION		MIN.	1	-8-5	MAX.	REACHED D+		_	INITIA	۸L		\dashv	Pric	or 1 O	ct.	Aft	er 1 O	ct.	Afte	er 1 C	Oct.	Af	ter 1 (-						
1 Watkins/Johnson, Gaithersburg, MD									REOF																						
2 SAIC, San Diego, CA								7	INITIA			[_													1						
3 Harris Corp. Melbourne, FL		1		1	1		_		REOF			_													4						
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FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCH	HEDUL	E		P-1 I	tem No			ORT	COM	u sys	S (TPC	CS - U	PGR/	ADE) (44452	22)				Date		ruary						
				PROC	ACCEP.	BAL					Fis	cal \											Fis		Yea						L
	М		S	QTY	PRIOR	DUE							(Cale	nda	r Ye	ar 98	3						C	alen		Year	99			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	Ν	D	J	F	М		М	J	J	Α	S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	0 C T	0 V	E C	A N	E B	A R	P R	M A Y	U N	U L	U G	E P	E R
Direction Finding Units	1	97	MC	8	0	8			A					4	4																
WJ-9605 Front Panel Unit	1	97	MC	16	16				-																						
WJ-8654-4 Receiver	1	97	МС	32	16	16	16																								
TCIMS	1	97	MC	14	0	14			7	7																					
TOP Hunter System	1	97	MC	2	0	2							1	1																	
							_				_					_					,		_								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O L	J L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J J	D D	A U G	S E P	
M		Р	RODUCTI	ON RATES		REACHED		FR mber	-		•		Dri	ADN or 1 C		EAD T	IME ter 1 C	\ot		MFR er 1 C			TOTA ter 1 (R	EMAR	KS		•		•
R NAME / LOCATION		MIN.	1	-8-5	MAX.	D+	.,	3	INITIA				FII	UI I C	/UL.	All	10	rot.	All	9	,ot.	All	19	JUI.	1						
1 Watkins/Johnson, Gaithersburg, MD								Į	REOF																1						
2 SAIC, San Diego, CA								ļ	INITIA																						
3 Harris Corp. Melbourne, FL		1	1	1	1		_		REOF INITIA							_			_		-				1						
										AL RDER		-				-									ł						
			1						INITIA										1						1						
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									INITIA																1						
†										RDER															1						

		Exhibit P-40, Budget	tem Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity		<u> </u>			P-1 Item Nomencla	ture:			•		
Procurement, M	farine Corps (1109) / Comm	nunications and Electronic Equipment	(4) / 029				INTELLIGENCE	ANALYSIS SYSTEM	I (TCAC) (A44050)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			4								4
Gross Cost			10.7								10.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			10.7	0.0	0.0						10.7
Initial Spares				0.2	1.4						1.6
Total Proc Cost			10.7	0.2	1.4						12.3
Flyaway U/C											
Wpn Sys Proc U/C			2.677								
		nnical Control Analysis (IGINT) fusion center w									

NARRATIVE: The MEF IAS Technical Control Analysis Center (TCAC) Product Improvement Program (PIP) is a High Mobility Multi-Wheeled Vehicle based semi-automated Signals Intelligence (SIGINT) fusion center which supports the intelligence requirements of the Marine Air-Ground Task Force Commander. The "product improvement" significantly decreases the physical dimensions of the current system, increases maneuverability/deployment options and provides an enhanced set of Intelligence Analyst software applications which facilitate semi-automated SIGINT processing, analysis and reporting by the Fleet Marine Force Radio Battalions.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	rps (1109) / Comr			m Nomenclature: ENCE ANALYSIS	SYSTEM (TCAC)	(A44050)	Weapon System	Type:	Date: Feb	ruary 1998
<u>, </u>	ID		Electronic I	Equipment (4) / 0	29	EV 07			FY 98			FY 99	
Weapon System	CD				TotalCost	FY 97 Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Cost Elements	CD				\$000	Each		\$000	_		\$000	-	
IAS (TCAC) System					\$000	Each 4	\$	\$000	Each	\$	\$000	Each	\$
ADP SERVER SET WORKSTATIONS COMPUTER PERIPHERALS SUPPORT ITEMS (TENT, ECU) INSTALLATION & ASSEMBLY ECP IMPLEMENTATION COMMUNICATIONS EQUIPMENT LRIP RETROFIT PROJECT MGMT TECHNICAL DATA TRAINING/TRAINING SUPPORT CM DATABASE STATUS ACCTING SOFTWARE & LICENSES ENGINEERING SUPPORT					480 1600 232 812 3000 639 882 170 158 161 243 197 329 1804	8 40 4 4 4 4 1	60000 40000 58000 203000 750000 159750 220500 170000						
TOTAL					10707								

								Date:		
Exhibit	P-5a, Budget Procurement								February 1	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	n Nomenclatu	re:	•		
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029					II.	NTELLIGENO	E ANALYSIS SYST	EM (TCA	C) (A4405	0)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		Method and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
Fiscal Year 97		and Type			Delivery	Lacii	Ψ	NOW:	Avaii	
MEF IAS (TCAC PIP)	Vitro Corp. Oxnard, CA	C/FP	ESC, Hancom, AFB, MA	Apr-97	Jul-98	4	2740000	Yes	No	
	This corp. Comara, cor	0,		7 (5)	04.00		20000			
						<u> </u>				
REMARKS:										

Evhibit D-20 Dog	quirements Study	Approriation/Budget	t Activity/Serial No:				Date:		
	· ·	Procuren	nent, Marine Corps (110		and Electronic Equi	pment (4) / 029		February 1998	
2-1 Line Item Nomenclature (In	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):	•	•	Prod Leadtime:		
INTEL	LIGENCE SUPPORT EQUIPMENT (A	14050)		6	Months			15	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			4						
Unit Cost			2676.8	8					
Total Cost			10707.0						
Asset Dynamics									
Beginning Asset Pos	sition					3			
Deliveries from:	FY 1997 Funding			3		1			
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	sequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremer	nts/Attritions								
End of Year Asset P	Position			3		4			
Inventory Objective or (Current Authorized Allowance								
Inventory Objectiv	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	
4	Expenditures		sage	(Vehicle	es/Other)	for Replaceme		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru	,	·		PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:	·					_		Storage	

Remar	ks	:
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FV 98 / 99 RUDGET PE	SODIIC	P-1 Item Nomenciature INTELLIGENCE ANALYSIS SYSTEM (TCAC) (A44050) PROC ACCEP. BAL Fiscal Year 97															Date	3 :			Eeb	ruary ·	1008								
11 307 33 B0D0E111					ACCEP.	BAL			- "	INTELL			Yea	r 97					,,				Fi		Yea				1330		L
	М	F)/	S	QTY	PRIOR	DUE		1						Cale	_	_						ļ.,			alen						A
COST ELEMENTS	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	0	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	0	N O	D E	J A	F E	M A	Р	M A	U	Ŋ	A U	S E	T E
IAS TCAC PIP	1	97	MC	4	0	4	Т	V	С	N	В	R	R A	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	<u>L</u>	G 1	P 1	R
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M F		Р	RODUCTI	ION RATES	1	REACHED		FR mber					Pr	ADI ior 1 C	MIN L Oct.		TIME fter 1 (Oct.	Af	MFR ter 1 (TOTA		R	EMAI	RKS				
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1 Vitro Corp, Oxnard, CA					1				REO	RDER	!																				
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FY 98 / 99 BUDGET P	RODUC	CTION SO	CHED	ULE			P-1 II	tem No			IGENO	E AN	ALYS	IS SYS	STEM	1 (TCA	AC) (A	4405	0)				Date	:			Febr	uary 1	998		
				PROC	ACCEP.	BAL					Fisc	cal Y											Fis		Yea						L
	M		S	QTY	PRIOR	DUE								alen													Year				A
	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E				J	J	A U	S E	O C	N O	пσ	J A	F E	M A		M A	J	J	A U	S E	T E
COST ELEMENTS	.,		V				T	V	C	N			R	Y	N	L	G	Р	T) >	С	N	В	R	R	Y	N	L	G	P	R
IAS TCAC PIP	1	97	MC	4	3	1	1																								
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М		Р	RODUCTI	ON RATES	i		М	FR	~			Ť		ADMI		_				MFR	Ŭ		TOTA			EMAF			Ŭ	•	
F						REACHED	Nur						Prio	r 1 Oc	t.	Afte	er 1 O	ct.	Aft	er 1 C	Oct.	Af	ter 1 (Oct.	1						
R NAME / LOCATION		MIN.	1	-8-5	MAX.	D +			INITIA			4					6			15			21		1						
1 Vitro Corp, Oxnard, CA			1		1				REOR INITIA			_													1						
			 						REOR			\dashv													1						
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						Date:				
Exhibit	P-40, Budget	ltem Justific	ation Sheet					February 1998		
Serial No:				P-1 Item Nomencla	ure:					
arine Corps (1109) / Communications a	nd Electronic Equipment	(4) / 029				INTELLIGENCE	ANALYSIS SYSTEM	M (MEF) (A44104)		
tems:		Code:	Other Related Prog	ram Elements:						
6313M C2270										
Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
1.0		6.9	9.8	10.4						28.0
1.0		6.9	9.8	10.4	0.0					28.0
2.5		0.5	0.1	1.1	1.9					6.0
3.4		7.4	9.8	11.4	1.9					34.0
	Serial No: arine Corps (1109) / Communications a tems: 6313M C2270 Prior Years 1.0 1.0 2.5	Serial No: Arine Corps (1109) / Communications and Electronic Equipment terms: 6313M C2270 Prior Years 1.0 1.0 2.5	Serial No: Arrine Corps (1109) / Communications and Electronic Equipment (4) / 029	Arrine Corps (1109) / Communications and Electronic Equipment (4) / 029	P-1 Item Nomenclate	P-1 Item Nomenclature: P-1 Item Nomenclature:	P-1 Item Nomenclature: P-1 Item Nomenclature: INTELLIGENCE	P-1	P-1 Item Nomenclature: P-1 Item Nomenclature: INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104) INTELLIGENCE	P-1

NARRATIVE: The Intelligence Analysis System (IAS) will provide finished intelligence data to the commander in near-real-time, allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF), and IAS (Workstations). The IAS will utilize the Modernized Integrated Database (MIDB) developed by DIA, and will utilize commercial and government developed software.

MEF IAS consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications interfaces (modems, crypto) and peripherials (CD ROM, tape drives, hard disk drives, plotter, dot matrix and laser printers). The servers will be connected to up to six desktop workstations on a Local Area Network (LAN).

IAS Workstations consist of one laptop or suitcase style computer (configured as a server) with a printer.

MEF IAS APPROVAL FOR SERVICE USE (FY 96): CODE A IAS WORKSTATION APPROVAL FOR SERVICE USE: CODE B

DT-Apr 98 MSIII-Mar 99

IOT&E-Dec 98 Test Results-None to Date

Technical Data Packages-May 98

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ E	ent, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0			m Nomenclature: SENCE ANALYSI	S SYSTEM (MEF)	(A44104)	Weapon System	Type:	Date: Feb	ruary 1998
Weapon System	ID		Electronic	Equipment (4) 7 0	29	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MEF IAS SYSTEMS	А					7							
Servers, Peripherals					3011	14	215071						
Workstations, Desktop					1406	56	25107						
Cables and Connectors					350								
Racks					126								
System Integratior Engineering Suppor Integ Logistics Support					751 576 660			4370 2410 1933					
IAS WORKSTATION (Battalion/Squadror	В												
Workstation (Laptop or Suitcase)								518	11	47091	7211	150	4807
Printer/Peripherals								173	11	15727	2405	150	1603
System Integratior Engineering Suppor Integ Logistics Suppor								117 125 121			150 371 226		
TOTAL Active Reserve					6880 (6880) (0)			9767 (9767) (0)			10363 (9375) (988)		

								Date:		
Ex	hibit P-5a, Budget Procurement	nt History a	nd Planning						February ⁻	1998
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and E	lectronic				1	NTELLIGENO	E ANALYSIS SYS	ГЕМ (МЕГ	(A44104	1)
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
FY 97			ESC Hanscom AFB, Ma.							
Servers	Vitro Corp., Oxnard, Ca.	C/CPFP		Apr-97	May-97	14	215071	YES		
Peripherals										
Norkstations (Desktop for MEF IAS)		C/CPFP		Apr-97	May-97	56	25107	YES		
FY98 IAS Workstations (Battalion/Squadron)	TBD	TBD		Oct-97	Apr-98	11	47091	NO		
Printer/peripherals	TBD	TBD		Oct-97	Apr-98	11	15727	NO		
FY99 Workstations Battalion/Squadron Laptop or Suitcase	TBD	TBD		Oct-98	Apr-99	150	48073	NO		
Printer/peripherals	TBD	TBD		Oct-98	Apr-99	150	16033	NO		

Exhibit P-20, Red	nuirements S	tudy	Approriation/Budget	' - '				Date:		
•	-	-	Procurem	ent, Marine Corps (11		and Electronic Equip	ment (4) / 029		February 1998	
P-1 Line Item Nomenclature (In-	clude DODIC for Ammi	unition Items):		Admin Leadtime (aft	*			Prod Leadtime:		
	LIGENCE SUPPORT	EQUIPMENT (A44104)	1		1	6 Months	1			Months
IAS MEF				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				7	,					
Unit Cost				982.9)					
Total Cost				6880.0)					
Asset Dynamics										
Beginning Asset Pos	sition			2	2	9	9			
Deliveries from:	FY 1997	Funding		7	,					
Deliveries from:	FY 1998	Funding								
Deliveries from:	FY 1999	Funding								
Deliveries from Subs	sequent Years Fu	ınds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retiremer	nts/Attritions									
End of Year Asset P	osition			g	9	9	9			
Inventory Objective or 0	Current Authorize	d Allowance								
Inventory Objectiv	re Ac	tual Training	Other that	an Training	Dis	posals	Vehicles Eligibl	le	Aircraft:	
9	E	xpenditures	Us	sage	(Vehicl	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:									Storage	

Exhibit D-20 Dog	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	· ·	Procur		/Communications and E	ectronic Equipment /	P4425029		February 1998	
2-1 Line Item Nomenclature (In	clude DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
A44104 CONT				6	Months			18	Months
IAS Workstation			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				11	150				
Unit Cost				887.9	69.1				
Total Cost				9767.0	10363.0				
Asset Dynamics									
Beginning Asset Pos	sition				11				
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			11					
Deliveries from:	FY 1999 Funding				150				
Deliveries from Sub	sequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	nts/Attritions								
End of Year Asset P	Position			11	161				
Inventory Objective or 0	Current Authorized Allowance								
Inventory Objectiv	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	
161	Expenditures		sage	(Vehicle	s/Other)	for Replaceme	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		·						Storage	

Remar	ks	:
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FY 98 / 99 BUDGET PRO	OUC	TION SO	CHED	ULE			P-1 li	tem No			LIGEN	ICE A	NALY	'SIS S	YSTE	M (MI	EF) (A	4410	4)				Date):			Febr	uary 1	998		_
				PROC	ACCEP.	BAL					Fis	cal \											Fis		Yea					\neg	L
	М		S	QTY	PRIOR	DUE								Cale	nda										alen			97			Α
COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	n n	A U G	S E P	чоо	N O V	D E C	J A N	F E B		A P R	M A Y	Z O L	U J	A U G	S E P	T E R
MEF IAS SERVERS/PERIPHERALS	1	97	MC	14	0	14																			Α	14					
																													$\vdash \vdash$	_	
WORKSTATIONS	1	97	МС	56	0	56																			A	56					
WORKSTATIONS		97	IVIC	56	U	56																			А	56					
																													Н		
IAS WORKSTATIONS		98	MC	11	0	11													Α										Ш	_	11
(Battalions/Squadrons)																													$\vdash \vdash$	\dashv	
IAS WORKSTATIONS		99	MC	150	0	150																									150
(Battalion/Squadron) Reserves*		99	MC	17	0	17																							П		17
PRINTER		98	МС	11	0	11													Α											=	11
PRINTER		99	MC	150	0	150																							$\vdash \vdash$	_	150
Reserves*		99	МС	17	0	17																								=	17
																													Н	_	
																													H	=	
							O C T	N O V	D E C	J A N	F E B	M A	A P	M A	J U	Ŋ	A U	S E	O C T	N O V	D E C	J A	F E B		Р	M A	J	J	U	S E	
М		P	RODUCTI	ON RATES			М	V FR	С	N	В	R	R	Y ADN	N JIN LI	L EAD T	G	Р		V MFR			B TOTA		R R	Y EMAR	N KS	L	G	Р	—
F NAME / LOCATION		MIN.	1	-8-5	MAX.	REACHED D+	Nur		INITIA	AL	I		Pri	ior 1 C	ct.	Aft	ter 1 C	Oct.	Aft	er 1 C	Oct.	Af	ter 1 (Oct.	Res	erves	are no	on-ado	litive.		
VITRO CORP, OXNARD, CA		6		-	12		_		REOF	RDER															1						
									REOF	RDER															1						
									REOF	AL RDER															-						
									INITIA	AL															1						
							_		REOF	RDER		-										_			-						
			1				l			RDER		-				 			1			1			1						

FY 98 / 99 BUDGET PRO	DUC	CTION SC	CHED	ULE			P-1 I	tem No			LIGEN	ICE AI	NALY	SIS SY	YSTE	M (ME	F) (A	44104	1)				Date				Febru	ary 19	998		
				PROC	ACCEP.	BAL					Fis	cal \											Fis	scal	Yea	99					L
	М		S	QTY	PRIOR	DUE								Cale	nda	r Yea	ar 98	3						C	alen		ear/	99			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	A	S	0	Z	D	J	F	М	Α	M A	J	J		S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	0 C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
MEF IAS SERVERS/PERIPHERALS		97	MC	14	0	14	<u> </u>		Ŭ							_	Ü			Ť		Ť				Ė		_	Ŭ	Ħ	
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	1																												-+		
WORKSTATIONS	1	97	MC	56	0	56																							\rightarrow	-	
WORKSTATIONS	1	97	IVIC	56	0	56																							\rightarrow		
																													_		
	1						<u> </u>																		<u> </u>					_	
IAS WORKSTATIONS		98	MC	11	0	11].	11																		
(Battalions/Squadrons)																															
IAS WORKSTATIONS		99	MC	150	0	150	Α																		150						
(Battalion/Squadron) Reserves*		99	MC	17	0	17	Α																		17						
. ,																															
PRINTER	1	98	MC	11	0	11							11																		
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			Date:							
	Exhibit P-4	10, Budget Item Justifi	t February 1998							
Appropriation / Budget Activity/	/Serial No:	P-1 Item Nomenclature: COMMANDERS' AND JOINT TACTICAL TERMINAL (CTT AND JTT)								
Procurement, Ma	rine Corps (1109) / Communications and E									
Program Elements for Code B	Code:	Other Related Pro	gram Elements:							
					I				1	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	
Proc Qty	34	4	8							46
Gross Cost	12.3	1.0	2.6							15.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	12.3	1.0	2.6	0.0						15.9
Initial Spares			2.7	4.0						6.7
Total Proc Cost	12.3	1.0	5.3	4.0						22.6
Flyaway U/C										
Wpn Sys Proc U/C	0.362	0.240	0.323							

The Intelligence Broadcast Receiver (IBR) program consists of two systems; the AN/USC-55A, Tactical Command System, commonly referred to as the Commander's Tactical Terminal Three-Channel (CTT3), and the Joint Tactical Terminal (JTT). In Oct 95 the Integrated Broadcast Service (IBS) plan was approved. The AN/USC-55A will migrate to the JTT with the use of the Common Intergrated Broadcast Service-Modules (CIBS-M). These IBR's receive, decrypt, and process near-real-time (NRT) intelligence reports simultaneously from multiple sources. They will provide NRT intelligence data to the command, control, and intelligence (C2I) elements of the Marine Air-Ground Task Force (MAGTF). In addition, the IBR's provide full duplex data and handles communications with an anti-jam capability between the GUARDRAIL intelligence processing facility and tactical units. The IBR's are being procured by the U.S. Army (PM HTT/CIBS-M) via a contract with Raytheon E-Systems for the CTT3, and the contract for the JTT is still under protest. The IBR's provide the Marine Corps with a multi-service intelligence dissemination interoperability into the next century, meeting criteria by the multi-service intelligence dissemination architecture panel.

Item No. 18 Page 29 of 50

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	//Serial No: orps (1109) / Comr Equipment (4) / 0			m Nomenclature: ANDERS TACTIO	CAL TERMINAL (A	44073)	Weapon System	Туре:	Date: Feb	ruary 1998
Weapon System		1			FY 97		FY 98				FY 99		
Cost Elements	ID CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTT 3 Commanders' Tactical Terminal Three Channel (CTT3)	А												
Ancillary Equipmen Support Costs													
CTT3 Commanders' Tactical Terminal Thre Channel (CTT3)	А				958	4	239500						
Ancillary Equipmen Support Costs													
Joint Tactical Terminal (JTT								2240	8	280000			
Ancillary Equipmen								345					
Total Cost					958			2585					

Exi	hibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele		Weapon Syst			P-1 Line Item	Nomenclature		B .		1990
Equipment (4) / 029	SCHOTTIC					COMMANDI	ERS TACTICAL TE			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
FY97	Raytheon E-Systems, ECI Division,	FFP	USA CECOM	Aug-97	May-98	4	239500	Yes	No	N/
Commanders' Tactical Terminal (CTT3)	St Petersburg, FL									
	<i>5.</i>									
FY98										
Joint Tactical Terminal (JTT)	TBD	FFP	USA CECOM	Mar-98	Mar-99	8	280000	Yes	No	N/A
REMARKS:										

Exhibit P-20,	Peguiro	monte St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	•		-	Procurem	ent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 029		February 1998	
P-1 Line Item Nomencla	ture (Include DO	ODIC for Ammu	nition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
			QUIPMENT (A44073)			10	Months			. 9	Months
Commander's and	d Joint Tacti	cal Termina	l (CTT3 & JTT)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					4	8					
Unit Cost					239.5	323.125					
Total Cost					958	2585					
Asset Dynamics											
Beginning Asse	et Position				1	7	39				
Deliveries from	n:	FY 1997	Funding			4	0				
Deliveries from	n:	FY 1998	Funding				8				
Deliveries from	n:	FY 1999	Funding								
Deliveries from	n Subsequei	nt Years Fu	nds								
Other Gains					6	28					
Combat Losses											
Training Losse	S										
Test Losses											
Other Losses											
Disposals/Retir	rements/Att	ritions									
End of Year As	sset Position	1			7	39	47				
Inventory Objectiv	e or Curren	t Authorized	d Allowance								
Inventory Ob	jective	Act	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	е	Aircraft:	
47		Ex	penditures	Us	age	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:	0									Storage	

Remarks: FY 95 CTT3 Prototype funded with R&D.

FY 98 / 99 BUDGET PRO	DUC	TION SC	HFDI	ULF			P-1 I	tem No	omeno			IDERS	STAC	TICAL	TER	MINAI	L (A44	073)					Date	ı:			Fe	ebruar	y 1998	3	
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JTT	В	98	MC	8	0	8																									0
CTT3	Α	96	Α	36	0	36						Α																	3	4	29
СТТЗ	Α	97	Α	71	0	71																			<u> </u>		<u> </u>		Α		71
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CTT3	Α	96	MC	8	0	8								4	4	0									1						0
CTT3	Α	97	MC	4	0	4								4	0										l						0
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	Exhibi	t P-40, Budget	Item Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipmen	t (4) / 029				RADIO RECONNA	ISSANCE EQUIP P	ROGRAM (A44435	5)	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			18								18
Gross Cost			2.7								2.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.7								2.7
Initial Spares											
Total Proc Cost			2.7								2.7
Flyaway U/C											
Wpn Sys Proc U/C			0.150								

Radio Reconnaissance Equipment Program (RREP) provides the Radio Reconnaissance Teams (RRTs) with a rugged, lightweight Signals Intelligence (Sigint) System capable of semi-automated signal search/cataloging, database storage, limited traffic analysis, integrated Global Positioning System (GPS) and digital audio recording, radio direction finding, and data base transfer.

Approval for service use: FY 97 = Code A

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	//Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co	orps (1109) / Comr	munications and	RADIC	RECONNAISSA		GRAM			Feb	ruary 1998
			Electronic	Equipment (4) / 0.	29	EV 07	(A44	435)	EV 00		1		.aa.y 1000
Weapon System Cost Elements	ID CD		1		TatalCast	FY 97	Linit Coot	TatalCast	FY 98	UnitCost	TotalCost	FY 99	UnitCost
Cost Elements	CD				TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	\$	\$000	Qty Each	\$
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RREP-SS-1	Α				2700	18	150000						
Total Cost					2700					1	ĺ		

								Date:		
Exhibi	t P-5a, Budget Procurement								February 1	1998
Appropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Electron Equipment (4) / 02\$	ıc				R.A	ADIO RECON	NAISSANCE EQUIP	PROGR	AM (A4443	35)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		Method and Type			Delivery	Each	\$0	Avail Now?	Revsn Avail	Date
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FY 97										
RREP	СМІ	FFP/O	NAWC	Jun-97	May-98	18	150000	YES	NO	N/A
	Woodlawn Hills, CA		Pt Mugu,CA	July 21	may oo					1 4// (
	-, -		3.7.							
REMARKS:										

Exhibit P-20, Requi	iromonte Study	Approriation/Budget	: Activity/Serial No:				Date:		
Exhibit F-20, Requi	irements Study	Procuren	nent, Marine Corps (110	9) / Communications a	and Electronic Equip	ment (4) / 029		February 1998	
2-1 Line Item Nomenclature (Includ	le DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
INTELLIG	ENCE SUPPORT EQUIPMENT (A444)	35)		8	Months			11	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			18						
Unit Cost			150.0						
Total Cost			2700.0						
Asset Dynamics									
Beginning Asset Position	on								
Deliveries from:	FY 1997 Funding			18					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	'Attritions								
End of Year Asset Posi	ition			18					
nventory Objective or Cur	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	
18	Expenditures	U	sage	(Vehicle	es/Other)	for Replaceme	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
NRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
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Remar	ks	:
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FY 1998 / FY 1999 BUDGET	PRO	DUCTIO	N SCI	HEDUL	E		P-1 II	em No			ECON	NAISS	SANCI	E EQI	JIP P	ROGF	RAM (A	A4443	35)				Date:				Fe	ebruar	y 1998	3	
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FY 1998 / FY 1999 BUDGET	PRO	DUCTIO	N SCH	HEDUL	E		P-1 II	tem No			ECON	INAISS	SANC	E EQI	UIP P	ROGE	RAM (A4443	35)				Date:				Febru	uary 1	998		
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	Evhibit D	40 Budget Item Justific	nation Shoot			Date:				
		40, Budget Item Justific	ation Sneed			<u> </u>		February 1998		
Appropriation / Budget Activity/S	Serial No: arine Corps (1109) / Communications and Ele	to-si- F-vit (4) / 000		P-1 Item Nomencla		INTED INTELLIGEN	LICE LILIBAAN FOLUE	MENT DDOOD AM	(OILIED)	
Program Elements for Code B It		Code:	Other Related Prog	gram Flamenta		MIER INTELLIGEN	NCE HUMAN EQUIP	MENT PROGRAM	(CIHEP)	
Program Elements for Code B It	tems:	Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			54							54
Gross Cost			4.6							4.6
Less PY Adv Proc										ļ
Plus CY Adv Proc										
Net Proc (P-1)			4.6		ļ					4.6
Initial Spares			Γ							
Total Proc Cost			4.6							4.6
Flyaway U/C										
Wpn Sys Proc U/C			.1							
	LIGENCE HUMAN EQUIP TSCM. Designed to detect is.									

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	y/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co	orps (1109) / Com Equipment (4) / 0	munications and 29	COUNT	ER INTELLIGEN PROGRAI	CE HUMAN EQUI	PMENT			Feb	ruary 1998
Weapon System	ID			1-1 (/ /		FY 97		(02.)	FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CI/Human Intelligence Automation Tool Set (CHATS)	Α				1002	24	41750						
Ancillary Equipmen Audio Video Communications					3598								
Total Cost					4600								

								Date:		
	ibit P-5a, Budget Procuremen							<u> </u>	February 1	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic	in	Weapon Sys	stem Type:			n Nomenclatur				
Equipment (4) / 029	<u>-</u>				COUNTE	R INTELLIGE	ENCE HUMAN EQUI			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$0	Now?	Avail	<u> </u>
FY98				T					<u> </u>	
CI/Human Intelligence Automation Tool Sets (CHATS)	US Army PM Intel Fusion Office Mclean, Va	TBD	US Army PM Intel Fusion Office Mclean, Va	Jul-98	Sep-98	24	41750	Yes	No	N/A
Remarks:										

Exhibit P-20, F	Require	ments Study	Approriation/Budge	•				Date:		
•	-	•	Procuren		109) / Communications ar	nd Electronic Equip	ment (4) / 029		February 1998	
		DDIC for Ammunition Items):		Admin Leadtime (af	•			Prod Leadtime:		
		CE SUPPORT EQUIPMENT (A44	435)		1	Months	1		2	Months
Line Descriptions (CIHEP	(CHATS)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					24					
Unit Cost					41750.0					
Total Cost					1002.0					
Asset Dynamics										
Beginning Asset	Position				30					
Deliveries from:		FY 1997 Funding								
Deliveries from:		FY 1998 Funding			24					
Deliveries from:		FY 1999 Funding								
Deliveries from S	Subsequer	nt Years Funds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retire	ments/Attr	itions								
End of Year Asse	et Position				54					
Inventory Objective	or Current	t Authorized Allowance								
Inventory Obje	ective	Actual Training	Other th	an Training	Dispo	sals	Vehicles Eligib	le	Aircraft:	
		Expenditures	U	sage	(Vehicles	s/Other)	for Replaceme		TOAI	
Assets Rqd for		96 thru	96 thru		96 thru	,			PAA:	
Combat Loads:		FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			•				_		Storage	

Item No. 18 Page 44 of 50

Remarks: The beginning asset position quantity of 30 were procured by U.S. Army funding.

FY 1998 / FY 1999 BUDGET P	RO	DUCTION	N SCI	HEDUL	E		P-1 l	tem No COl				SENCE	HUN	/AN E	QUIP	MEN	Γ PRO	GRA	M (CIF	IEP)			Date	:			Febr	uary 1	998		
				PROC	ACCEP.	BAL					Fis	cal `	Year	- 98					1				Fis	scal	Yea	r 99					L
	М		S	QTY	PRIOR	DUE								Cale	nda	r Ye	ar 9	8						С	alen	dar `	Year	99			Α
	F	FY	Е	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0 C	N	D E	J	F	М		М	J	J	Α	S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E	C	O V	E	A N	E B	A R		A Y	U N	U L	U G	E P	E R
CHATS			•				Ė	V	Ŭ	IN	В	IX	IX		14	_	Ü	Ė	Ė		Ü	IN	В	IX	IX		IN	_	Ü	_	IX.
US Army	1	97	Α	30	30	0																									
CHATS																															
US Army	1	98	М	24	0	24										Α		24													0
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	Exhibit	P-40, Budget	Item Justif	ication Sheet			Date:		February 1998		
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marin	ne Corps (1109) / Communications and E	lectronic Equipment (4)	/ 029				F	PORTABLE RADIOS			
Program Elements for Code B Ite	ems:		Code:	Other Related Progra	m Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				49							49
Gross Cost				0.8							0.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				0.8							0.8
Initial Spares											
Total Proc Cost				0.8							0.8
Flyaway U/C											
Wpn Sys Proc U/C				.0							
transmission.	he AN/PRC-138 is a ligh	it worght digital		adio Willolf Wil		io load of a			iio providing	g long runge	

Exhibit P-5, Weapon		Appropriation/ Bu				P-1 Line Ite	em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,	Marine Cor Electronic E	ps (1109) / Comi quipment (4) / 0	munications and 29		PORTABL	E RADIOS				Feb	ruary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/PRC-138(V) 2 MANPACK Ancillary Equipment	A							0.755 0.037	49	15400			
Total								0.792					

	Evhibit D.Es. Budget Breeurement	History on	d Planning					Date:		4000
	Exhibit P-5a, Budget Procurement	Weapon Sys			D 4 Line Hem	Namanalatur			February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Equipment (4) / 029	d Electronic	weapon sys	еш туре.		P-1 Line Item	Nomenciatur	e: PORTABLE RAD	IOS		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type	<u> </u>	<u> </u>	Delivery	Each	\$0	Now?	Avail	
FY98 AN/PRC-138(V) 2 MANPACK	Harris Rochester, NY	C/FFP	SOCOM Tampa, FL	Apr-98	Jul-98	49	15400	YES	No	Mar-98
Remarks:										

Exhibit P-20, Requi	rements Study	Approriation/Budge	t Activity/Serial No:				Date:		
Exhibit F-20, Nequi	Terrierits Study	Procurer	ment, Marine Corps (11	09) / Communications an	nd Electronic Equip	ment (4) / 029		February 1998	
2-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
	ELLIGENCE SUPPORT EQUIPMENT (A44435)			6	Months			3	Months
Line Descriptions PORT	ABLE RADIOS		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				49					
Unit Cost				16.2					
Total Cost				792.0					
Asset Dynamics									
Beginning Asset Position	1								
Deliveries from:	FY 1997 Funding				<u> </u>				
Deliveries from:	FY 1998 Funding			49					
Deliveries from:	FY 1999 Funding								
Deliveries from Subsequ	ent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A									
End of Year Asset Position	on			49					
Inventory Objective or Curre	ent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	sals	Vehicles Eligible		Aircraft:	
	Expenditures	U	sage	(Vehicles	s/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	_
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remarks:

FY 1998 / FY 1999 BUDGET	T PRO	DUCTIO	N SCI	HEDUL	.E		P-1 It	em No	menc	clature			ORTAI		ADIOS	;							Date				Febr	uary 1	998		
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COST ELEMENTS	1		V		1 001	1 001	T	V	C	N	В	R	R	Y	N	L	G	E P	Т	V	C	N	В	R	R	Y	N	L	G	P	R
AN/PRC-138(V) 2 MAN PACK	1	FY98	М	49	0	49							Α			49															0
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		_	DODLICT	ION DATE		Т	Т	V FR	С	N	В	R	R	Y	N	L	G	Р	Т	V MFR		N	B TOTA		R	Y EMAR	N	L	G	Р	Ь.
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Harris Corp, Melbourne, FL								L		RDER															1						
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Exhibit P-	40, Budget Item Justific	cation Sheet			Date:		February 1998		
/Serial No:			P-1 Item Nomencla	ature:					
rine Corps (1109) / Communications and I	Electronic Equipment (4) / 030				MODIFIC	ATION KITS (INTEL) (P44823)		
Items:	Code:	Other Related Prog	gram Elements:						
Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
3.4	6.1	5.7	4.8	8.4	3.7	4.7	1.8	Cont	Cont
3.4	6.1	5.7	4.8	8.4	3.7	4.7	1.8	Cont	Cont
0.7	0.2		2.1	0.8	0.4				
3.4	6.2	5.7	6.9	9.2	4.1	4.7	1.8	Cont	Cont
									•
	Serial No: rine Corps (1109) / Communications and I Items: Prior Years 3.4 3.4 0.7	Serial No: rine Corps (1109) / Communications and Electronic Equipment (4) / 030 Items: Code: Prior Years FY 1997 3.4 6.1 3.4 6.1 0.7 0.2	Serial No: Frine Corps (1109) / Communications and Electronic Equipment (4) / 030 Items: Code: Other Related Program	Prior Years	P-1 Item Nomenclature: P-1 Item Nomenclature: P-1 Item Nomenclature: P-1 Item Nomenclature: P-1 Item Nomenclature: P-1 Item Nomenclature:	P-1 Item Nomenclature: MODIFIC	P-1	P-1 Item Nomenclature: P-2 Item Nomenclature: P-3 Item Nomenclature: P-4 Item Nomenclature: P-4 Item Nomenclature:	P-1 Item Nomenclature: P-1 Item Nomenclature: P-1 Item Nomenclature:

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Intelligence Analysis System MOD

Tactical Remote Sensor System (TRSS)

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), AN/TSQ-90

Team Portable COMINT System (TPCS)

MOD	INSTALLING AGENT	INSTALLATION	END ITEM

IAS MOD

MEMORY DATA FIELD/NSWC, CRANE, IN BEGIN: OCT 96 IAS MOD

STORAGE END: DEC 03

TRSS NAWC-ADI, INDY, IN BEGIN: DEC 96 TRSS MOD

TERPES NAWC WPNS, PT MUGU, CA BEGIN: JAN 98 AN/TSQ-90

END: MAR 03

TPCS-UPGRADE NATIONAL SECURITY AGENCY BEGIN: JUN 99

PHASE II FT MEADE, MD END: MAR 02

TPCS UPGRADE

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		P-40C Budget It	em Justific	ation Sneet				F	ebruary 1998		
Appropriation / Budget A	Activity/Serial No. ent, Marine Corps (1109) / Communications	and Electronic Equipment (4)	/ 030		P-1 Item Nomenclature		MODIFICATION	ON KITS (INTEL) (P4	1823)		
Program Elements for C		and Electronic Equipment (4)		Other Related Progr	am Elements		WODIFICATIO	JN KITS (INTEL) (F4	4023)		
Description		Fiscal Years									
OSIP NO.	Classification		FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	Total
IAS MOD											
	1 EFFICIENCY		4.6	1.4	1.7	1.6	1.6	1.8	1.8	Cont	Cont
TRSS											
	2 EFFICIENCY		0.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
TERPES											
	3 EFFICIENCY		1.1	4.3	0.0	3.9	0.0	2.9	0.0	Cont	Cont
TPCS-UPGRA	VDE										
	4 EFFICIENCY		0.0	0.0	3.1	2.8	2.1	0.0	0.0	Cont	Cont
Totals			6.1	5.7	4.8	8.4	3.7	4.7	1.8	Cont	Cont

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activit	y/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co Electronic	orps (1109) / Com Equipment (4) / 0	munications and 30	MC	DDIFICATION KIT	rs (INTEL) (P4482	?3)			Feb	ruary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
INTELLIGENCE ANALYSIS SYSTEM MOD	Α				\$000 4615	Each LOT	\$ VAR	\$000 1383	Each LOT	\$ VAR	\$000 1663	Each LOT	\$ VAR
									LOT	VAIX	1003	LOT	VAIN
TRSS	Α				317	LOT	VAR						
AN/TSQ-90 TERPES	Α				1125	LOT	VAR	4308	5	861600			
TPCS	А										3128	11	284364
TOTAL					6057			5691			4791		

EXNI	oit P-5a, Budget Procurement I								February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Elect	onia	Weapon Syst	em Type:		P-1 Line Item	Nomenclature	9:			
Equipment (4) / 030	Offic					MODIF	ICATION KITS (INT	EL) (P448	323)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is Date
riscal Years NTELLIGENCE ANALYSIS SYSTEM MOD		and Type			Delivery	Each	\$	Now?	Avail	
NTELLIGENCE ANALTSIS STSTEM MOD										
-Y 97	HEWLETT PACKARD, CA	OPTION	MCSC/NWSC, MCTSSA	Jan-97	Mar-97	VAR	VAR	YES	NO	N/A
FY 98	HEWLETT PACKARD, CA		MCSC/NWSC, MCTSSA	Oct-97	Jan-98	VAR	VAR		NO	N/
FY 99	HEWLETT PACKARD, CA		MCSC/NWSC, MCTSSA	Oct-98	Jan-99	VAR	VAR		NO	N/
				00.00	0000					,
rrss										
FY 97	NAWC-ADI, INDY, IN	PO	NAWC-ADI INDY, IN	Dec-96	Sep-97	VAR	VAR	YES	NO	N/
AN/TSQ-90 TERPES										
FY 97	NAWC WEAPONS PT MUGU, CA		NAWC WPN PT MUGU, CA		Jan-98	VAR		YES	NO	N/
FY 98	NAWC WEAPONS PT MUGU, CA	FFP	NAWC WPN PT MUGU, CA	Mar-98	Sep-98	5	861600	YES	NO	N/
- TDOO										
FPCS	ARCO SYSTEMS	EDI	NICA	I 00	l 00	4.4	204204	VEC	NO	N.1.
FY 99	ARGO SYSTEMS	FPI	NSA	Jan-99	Jun-99	11	284364	YES	NO	N/
REMARKS:										

MODIFICATION TITLE: Intelligence Analsysis System (IAS) (Includes funding for the National Foreign Intelligence Program re: PBD 339) MODELS OF SYSTEMS AFFECTED: IAS MODIFICATION DESCRIPTION / JUSTIFICATION: The IAS automates and integrates the intelligence processing activities of the Marine Air Ground Task Forces (MAGTFs). The IAS fuses intelligence information from sensors, signals and communications intelligence, and human sources, and provides this intelligence to the commander and his staff. The IAS is required to interface with a number of tactical and national systems, and must be upgraded in order to maintain these capabilities and to continue functioning as new systems are developed. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: MEFIAS MS III NOV 96 IAS SUITES MS III NOV 97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals LOT LOT Inputs LOT LOT LOT LOT LOT Outputs LOT LOT LOT LOT LOT FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete LOT LOT LOT LOT Inputs LOT LOT LOT LOT Outputs METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 2 Months Contract Dates: FY 1997 **JAN 97** FY 1998 OCT 97 FY 1999 OCT 98

INDIVIDUAL MODIFICATION

February 1998

JAN 98

FY 1999

JAN 99

FY 1998

Delivery Date:

FY 1997

MAR 97

					IN	DIVIDUA	L MOD	IFICATION	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		In	telliger	nce Ana	alysis S	System	(IAS)													
FINANCIAL PLAN: (\$ in Millions)			-																	
		1996 Prior	EV	1997	ΕV	1998	EV	1999	ΕV	2000	ΕV	2001	l EV	2002	EV	2003		ГС		TAL
+	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$ \$	Qty	\$	Qty	\$	Qty	S S
RDT&E	,	— •	٠,,	*	,	*	7	*	7	*	,	_	,	*		 	,	 		_
PROCUREMENT																				
Kit Quantity			LOT		LOT		LOT		LOT		LOT		LOT		LOT					
Inst Kits, Nonrecurring																				
matrice, recincounting																				
Equipment, Nonrecurring				4.595		0.792		0.760		0.724		0.754		0.831		0.856		Cont		Cont
ECO DATA Other INTERIM CONTRACTOR SPT				0.010		0.027 0.359 0.040		0.028 0.667 0.039		0.029 0.678 0.040		0.030 0.628 0.044		0.031 0.696 0.045		0.032 0.699 0.051				
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits			LOT	0.010	LOT	0.165	LOT	0.169	LOT	0.174	LOT	0.150	LOT	0.184	LOT	0.190				
Installment Cost				0.010		0.165		0.169		0.174		0.150		0.184		0.190		Cont		Cont
Total Procurement Cost				4.615		1.383		1.663		1.645		1.606		1.787		1.828		Cont		Cont

February 1998 TRSS MOD (AIR DELIVERED SENSOR) MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Tactical Remote Sensor System DESCRIPTION / JUSTIFICATION: The TRSS Mod is an enhancement to the Phase III Air-delivered Seismic Intrusion Detector (ADSID) sensor that provides activation classification. Current air-delivered systems require verification of activity by utilizing alternate surveillance methods, I.e., recon units, UAV's, etc...to describe activity in sensor vicinity. This mod uses recent acoustic technologies to enable remote determination of activity thereby reducing dependence upon alternate surveillance means. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Prototypes built and tested 2nd qtr FY96. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALL ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 9 Months Contract Dates: FY 1997 DEC 96 FY 1998 Enter Date FY 1999 **Enter Date** Delivery Date: FY 1997 SEP 97 FY 1998 **Enter Date** FY 1999 **Enter Date**

INDIVIDUAL MODIFICATION

Date

				IND	IVIDUAL	. MODIF	INDIVIDUAL MODIFICATION							Date		February 1998	у 1998	
MODIFICATION TITLE (Cont): TRSS	rrss																	
FINANCIAL PLAN: (\$ in Millions)	100g	Γ																
	and Prior		FY 1997	FY 1998	866	FY 1999	66	FY 2000	00	FY 2001	L	FY 2002	FΥ	FY 2003	TC	0	TOTAL	AL
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$	Ø	\$ /	Qty	\$	Qty	\$	Qty	s
RDT&E PROCUREMENT Kit Quantity Inst Kits, Nonrecurring			((
EQUIPMEN			0.228															0.228
Equipment, Nonrecurring ENGINEERING CHANGE ORDS			0.050	***************************************														0.050
ECO																		
Other			0.019															0.019
Installation of Hardware						manumanananananan												
FY 1996 & Prior Eqpt Kits																		
FY 1997 Eqpt Kits						***************************************												
FY 1998 Eqpt Kits																		
SIN 1999 E40 77																		
FY 2000 Eqpt Kits	***************************************																	
FY 2002 Edpt Kits				*****											***************************************			
FY 2003 Eqpt kits	-																	
(FY(TC) Eqpt (xx kits)																		
Installment Cost															0			
Total Procurement Cost			0.317															0.317

		RPES																
MODELS OF SYST	ΓEMS AFFE	CTED:	ALL AN	/TSQ-90'	S (TERPES)												
DESCRIPTION / JU	JSTIFICATI	ON:																
The AN/TSQ-9	90, TERP	ES, pi	rocesse	es ELIN	IT from the	e EA-6	B aircr	aft ar	nd incor	porates of	ther fus	sed info	ormati	ion. T	his up	grade i	ncorpo	rates
enhancements																5		
DEVELOPMENT S	TATUS / MA	A IOD D	NEV/ELO	DMENT	MII ESTONI	-e.												
						_												
Program is imp																		
developmental					al softwar	e deve	elopmei	nt. Ti	ERPES	Upgrade	was av	varded	a MS	3 II on	28 Ma	ır 95.	TERPE	S
Upgrade MS III	I schedule	ed for	Dec 97	' .														
nstallation Schedul	le:																	
nstallation Schedul	le:		FY 19	97		FY 1	998			FY 1999			FY	2000			FY 2	2001
nstallation Schedul		1	FY 19	997	4 1	FY 1	998	4	1	FY 1999 2	3 4	1	FY 2	2000	4	1	FY 2	2001
	Pr Yr	1			4 1			4 5	1		3 4	1		1	4 5	1		2001
	Pr Yr	1			4 1			4 5	1		3 4	1		1	4 5	1		2001
nputs	Pr Yr	1			4 1			4 5	1		3 4	1		1	4	1		2001
nputs	Pr Yr	1	2			2		5	1	5	3 4		2	1	4 5	1	2	3
nputs	Pr Yr	1 FY 2	2					5	1 FY 20	5	3 4	1 FY 2	2	1	5	To	2	3
nputs	Pr Yr	1 FY 2 2	2			2003		4 5	1 FY 20 2	5	3 4		2	3	5	To omplete	2	3
Installation Schedul Inputs Outputs Inputs	Pr Yr Totals		2 002		FY	2003				5		FY 2	2005	3	5		2	2001 3 Total
nputs Outputs nputs	Pr Yr Totals		2 002		FY 2	2003				5		FY 2	2005	3	5	omplete Cont	2	Total
nputs Outputs nputs Outputs	Pr Yr Totals	2	2 002		FY 2	2003	4	1	2	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 1	FY 2	2005	3	Co	omplete Cont Cont	5	Total
nputs Outputs Inputs Outputs METHOD OF IMPL	Pr Yr Totals	2 ON:	002	3 4 5 5	FY 2 1 2 5 ADMIN	2003 3	3 4 4	1 ADTIM	2 E:	5	4 1	FY 2	2005 3	N LEAD	Co	omplete Cont Cont	2	Total
Inputs Outputs	Pr Yr Totals	ON:	2 002	3 4 5 Ju	FY 2	2003 3	4	1 ADTIM	2	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 1	FY 2	2005 3 JCTIO	3	Co	omplete Cont Cont	5	3 Total

INDIVIDUAL MODIFICATION

Date

February 1998

					IN	DIVIDUA	L MOD	IFICATION	ON							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		TE	RPES	;																
FINANCIAL PLAN: (\$ in Millions)		1996	1																	
		l Prior	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003	-	ГС	TO	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT																				
Kit Quantity					5				5				5							
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				0.725		2.418				1.970				1.519				Cont		Cont
ECO																				
Other				0.400																
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY (TC) Eqpt (xx kits)					5	1.890			5	1.905			5	1.402						
Installment Cost						1.890				1.905				1.402				Cont		Cont
Total Procurement Cost				1.125		4.308				3.875				2.921				Cont		Cont

TPCS Phase I & II Upgrade MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Team Portable Communications Intelligence System DESCRIPTION / JUSTIFICATION: TPCS is a semi-authomated, man-packable, team transportable signals intelligence system that provides communications intercept, radio direction finding, collection management, analysis and reporting to the Marine Air Ground Task Force (MAGTF) Commander. TPCS is primarily comprised of commercial-off-the-shelf (COTS) and non-developmental items (NDI). The Upgrade will enable TPCS to exploit advanced communications such as cellular formats and low probability of intercept (LPI) signals. The Upgrade will also provide advanced automation and conform to the JMCIS/GCCS common operating environment (COE). DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: NAPDD for TOPMAKER development: Mar 95; MS II: Feb 97; MS III (Phase II): 4QFY 99 Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 1997 FY 1998 Totals Inputs 11 6 Outputs 11 FY 2002 FY 2003 FY 2004 FY 2005 То Totals Complete Inputs Outputs 0 22 METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 5 Months Contract Dates: FY 1997 N/A FY 1998 N/A FY 1999 **JAN 99**

INDIVIDUAL MODIFICATION

February 1998

Date

N/A

FY 1999

JUN 99

FY 1998

Delivery Date:

FY 1997

N/A

					IN	DIVIDUA	L MOD	IFICATIO	N							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		TF	PCS Pr	nase I &	& II Up	grade 0	0001													
FINANCIAL PLAN: (\$ in Millions)	- FV	4000	1																	
		1996 I Prior	FY	1997	FY	1998	FY	1999	FY 2	2000	FY	2001	FY	2002	FY	2003	1 1	ГС	TO	ΓΑΙ
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT Kit Quantity Install Kits, Nonrecurring	-																			
Equipment, NonR (Phase I)							11	2.927											11	2.927
Equipment, NonR (Phase II)									6	2.490	5	2.013							11	4.503
ECO								0.137		0.151										0.288
Other Training Support Support Equipment Other								0.064		0.120 0.060 0.020		0.018 0.015								0.202 0.075 0.020
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits FY 19003 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits FY 19003 Eqpt kits FY 19003 Eqpt kits FY 19003 Eqpt kits FY 19003 Eqpt kits																				
Installment Cost (Phase II) Total Procurement Cost								3 129		2.841		2.046								8 015
Total Procurement Cost								3.128		2.841		2.046	<u> </u>		<u></u>					8.015

	Exhibit F	P-40, Budget	Item Justific	ation Sheet	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mar	ine Corps (1109) / Communications an	nd Electronic Equipmen	t (4) / 031				ITEMS LESS T	HAN \$2 MILLION (I	NTEL) (P44524)		
Program Elements for Code B I	tems:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	5.1		0.4	0.6		2.1					8.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	5.1		0.4	0.6		2.1					8.2
Initial Spares											
Total Proc Cost	5.1		0.4	0.6		2.1					8.2
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which consists of:

Technical Surveillance Countermeasures (TSCM) - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment. Funds are used to procure TSCM Laser detection systems and other direction finding systems. The Mapping Set/Upgrade of Digital Terrain Analysis Mapping System (DTAMS) provides the Topographic Platoons with a portable means to exploit Defense Mapping Agency (DMA) digital mapping products in support of the Marine Air Ground Task Force (MAGTF).

Exhibit P.5, Weapon WPN SYST Cost Analysis Weapon System Cost Elements ID Cost Ele
Weapon System Cost Elements ID CD FY 97 FY 98 FY 99 Cost Elements CD TotalCost Qty UnitCost TotalCost Qty
Cost ElementsCDTotalCostQtyUnitCostTotalCostQtyUnitCostTotalCostQtyUnitCostTotalCostQtyUnitCostQtyUnitCostQtyUnitCostQtyUnitCostQtyUnitCostQtyUnitCostTECHNICAL SURVEILLANCE COUNTERMEASURES\$000Each\$000\$000Each\$000\$000Each\$000
\$000 Each \$000 Each \$000 \$000 Each \$000

-5a, Budget Procurement Contractor and Location	Weapon Syste			P-1 Line Item				ebruary 19	
Contractor and Location	Contract				ITEMAN I EN				
Contractor and Location	Contract				ITEMS LES	S THAN \$2 MILLIO	N (INTEL) (F	P44524)	
	Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is: Date
	and Type			Delivery	Each	\$	Now?	Avail	
Rome Labs Griffis AFB Rome, NY	C/FFP	SAF/FMBMB AF, Pentagon Wash, DC	Mar-98	Jun-98	1	617000	Yes	No	N/A
Virginia Contracting/DIA Boiling AFB Washington, DC	FP	Virginia Contracting/DIA Boiling AFB Washington, DC	Sep-97	Sep-97	1	425000	Yes	No	N/A
(F	Griffis AFB Rome, NY Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB Sep-97 Sep-97 1 425000	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB Sep-97 Sep-97 1 425000 Yes	Griffis AFB Rome, NY AF, Pentagon Wash, DC Virginia Contracting/DIA Boiling AFB AF, Pentagon Wash, DC FP Virginia Contracting/DIA Boiling AFB Sep-97 Sep-97 1 425000 Yes No

	Exhibit P	-40, Budget	Item Justific	ation Sheet			Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	arine Corps (1109) / Communications and I	Electronic Equipment	(4) / 032				GENERAL PUR	POSE MECHANICAI	L TMDE (P44094)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Initial Spares											
Total Proc Cost	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Flyaway U/C											
Wpn Sys Proc U/C											

This is a composite line which consists of several general purpose mechanical test equipment items.

Funds are used to buy mechanical test equipment to support the following principal end items:

Motor Transport: Trucks, HMMWV's, Wreckers, Bus's Trailers etc.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Generator Sets, Rock Crushers, Assault Craft, etc.

Ordnance: Tanks, LAV's, AAV's, Self Propelled Howitzers, Rocket launchers etc.

The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadlined items to operational condition. Items procured range from individual mechanic's test sets to diesel engine and transmission dynamometers.

Funding sustains modernization and strandardization plans, as well as new equipment identified in support of new principal end items.

In some cases, new requirements will supercede planned requirements. The items bought with these funds are non-developmental, commercial-off-the shelf items (consequently extremely low risk).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	y/Serial No: orps (1109) / Com Equipment (4) / 0			n Nomenclature: LL PURPOSE MEC	CHANICAL TMDE		Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID		Electronic	Equipment (4) / 0	32	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DYNAMOMETER, CONFIG A	А				1031	4	257750						
DYNAMOMETER, CONFIG B	Α				1649	8	206125						
FUEL INJ. PUMP TEST STAND	Α							1000	7	142857	1008	7	144000
HYDRAULIC TEST BENCH	Α							432	4	108000			
CONTACT TEST SET (SPORT)	Α				198	9	22000	300	14	21429	2100	104	20192
INJECTOR TEST & CALIBRATION EQUIP	Α										280	1	280000
TEST STAND, TRANSMISSION	А										860	1	860000
LOGISTICS SUPPORT TECH MANUALS TRAINING MATERIALS PROVISIONING DATA EQUIPMENT INSTALLATION	A				145			447			251		
TOTAL					3023			2179			4499		

								Date:		
Exhi	bit P-5a, Budget Procurement I	History a	nd Planning					S	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Electric Equipment (4) / 032	ronic				G	SENERAL PU	RPOSE MECHANIC	CAL TMDI	E (P44094	1)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issi Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
DYNAMOMETER, DIESEL ENGINE										
FY 97 CONFIG A	POWER TEST, MILWAUKEE WI	_	MCSC QUANTICO VA	Feb-97	Oct-97	4	257750		N/A	N/A
FY 97 CONFIG B	POWER TEST, MILWAUKEE WI	FPO	MCSC QUANTICO VA	Feb-97	Oct-97	8	206125	YES	N/A	N/A
FUEL INJ. PUMP TEST STAND										
FY 98	TBD		MCSC QUANTICO VA		Aug-98	7	142857		N/A	N/A
FY 99	TBD	C/FP	MCSC QUANTICO VA	Feb-99	Jul-99	7	144000	YES	N/A	N/A
HYDRAULIC TEST BENCH										
FY 98	TBD	C/FP	MCSC QUANTICO VA	Feb-98	Oct-98	4	108000	YES	N/A	N/A
CONTACT TEST SET (SPORT)										
FY 97	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	May-97	Dec-98	VAR	VAR	YES	N/A	N/A
FY 98	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-98	Jul-98	VAR	VAR	YES	N/A	N/A
FY 99	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-99	Jul-99	VAR	VAR	YES	N/A	N/A
INJECTOR TEST & CALIBRATION EQUIP.										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Oct-99	104	20192	NO	FY98	
TEST STAND, TRANSMISSION										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Dec-99	1	280000	YES	N/A	N/A
REMARKS:										

Exhibit P-20	Poquiro	mente Sti	ıdv	Approriation/Budget /	Activity/Serial No:				Date:			
	-			Procureme		9) / Communications a	and Electronic Equipm	ent (4) / 032	<u> </u>	September-97		
P-1 Line Item Nomencla	ature (Include DO	ODIC for Ammun	ition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:			
(GENERAL PUR	RPOSE MECHAN	IICAL TMDE (P44094)			4	Months		8 Months			
Line Descriptions	Dynamon	neter, Dies	sel Engine		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary					12							
Unit Cost					Various							
Total Cost					2680.0							
Asset Dynamics												
Beginning Ass	et Position					10	22	22	22	22	2	
Deliveries from	า:	FY 1997	Funding			12						
Deliveries from	n:	FY 1998	Funding									
Deliveries from	า:	FY 1999	Funding									
Deliveries from	n Subsequei	nt Years Fun	ds									
Other Gains					10							
Combat Losses	S											
Training Losse	es											
Test Losses												
Other Losses												
Disposals/Reti	rements/Att	ritions										
End of Year As	sset Position	า			10	22	22	22	22	22	2	
Inventory Objectiv	e or Curren	t Authorized	Allowance	22	22	22	22	22	22	22	2	
Inventory Ob	ojective	Actu	al Training	Other tha	n Training	Disp	osals	Vehicles Eligible	Э	Aircraft:		
22		Exp	penditures	Us	age	(Vehicle	s/Other)	for Replacemen	nt	TOAI		
Assets Rqd for		96 thru		96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv		
Total:										Storage		

Remarks: Three of the items delivered in FY97 were procured with FY97 NGREA funds.

Exhibit P-20,	Pequiro	monte Sti	ıdv	Approriation/Budget /	Activity/Serial No:				Date:				
	-		-	Procureme		9) / Communications a	nd Electronic Equipm	ent (4) / 032		September-97			
P-1 Line Item Nomencla	ture (Include DC	ODIC for Ammun	ition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:				
			IICAL TMDE (P44094)			4	Months			6 Months			
Line Descriptions	Fuel Inj. F	Pump Test	Stand		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
Buy Summary						7	7	8					
Unit Cost						142.9	144.0						
Total Cost						1000.0	1008.0						
Asset Dynamics													
Beginning Asse	et Position						3	11	22	22	2		
Deliveries from	η:	FY 1997	Funding										
Deliveries from	n:	FY 1998	Funding			3	4						
Deliveries from	1:	FY 1999	Funding				4	3					
Deliveries from	n Subsequer	nt Years Fun	ds					8					
Other Gains													
Combat Losses	S												
Training Losse	S												
Test Losses													
Other Losses													
Disposals/Retir	rements/Attr	ritions											
End of Year As	sset Position	1				3	11	22	22	22	2		
Inventory Objectiv	e or Curren	t Authorized	Allowance	22	22	22	22	22	22	22	2		
Inventory Ob	ojective	Actu	al Training	Other tha	n Training	Disp	osals	Vehicles Eligible	е	Aircraft:			
22		Exp	enditures	Us	age	(Vehicle	s/Other)	for Replacemen	nt	TOAI			
Assets Rqd for		96 thru		96 thru		96 thru				PAA:			
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI			
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res			
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI			
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv			
Total:										Storage			

Remarks: FY00 will complete AO.

Exhibit P-20, F	Poguiromo	nte Stud	lv	Approriation/Budget	Activity/Serial No:				Date:				
	=		-	Procurem		109) / Communications a	and Electronic Equip	oment (4) / 032		September-97			
2-1 Line Item Nomenclature	re (Include DODIC	for Ammunitio	n Items):		Admin Leadtime (at	ter Oct 1):			Prod Leadtime:				
			AL TMDE (P44094)			4	Months		8 Months				
Line Descriptions H	lydraulic Te	st Bench	1		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
Buy Summary						4							
Unit Cost						108.0							
Total Cost						432.0							
Asset Dynamics													
Beginning Asset	Position							4	4	4			
Deliveries from:	FY	1997 F	unding										
Deliveries from:	FY	1998 F	unding					4					
Deliveries from:	FY	1999 F	unding										
Deliveries from S	Subsequent Y	ears Funds	3										
Other Gains													
Combat Losses													
Training Losses													
Test Losses													
Other Losses													
Disposals/Retirer	ments/Attrition	าร											
End of Year Asse	et Position							4	4	4			
Inventory Objective	or Current Au	thorized A	llowance	4		4 4		4	4	4			
Inventory Obje	ective	Actual	Training	Other tha	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:			
4		Expe	nditures	Us	sage		es/Other)	for Replacemen	nt	TOAI			
Assets Rqd for	96	thru		96 thru		96 thru				PAA:			
Combat Loads:	FY	XXXX		FY XXXX		FY XXXX		FY 1998		TAI			
WRM Rqmt:	FY	XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res			
Pipeline:	FY	XXXX		FY XXXX		FY XXXX	-	Augment		BAI			
Other:	FY	XXXX		FY XXXX		FY XXXX	-			Inactive Inv			
Total:				·						Storage			

Remar	ks:
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Exhibit P-20	Peguiro	monte St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	•		-	Procureme	ent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 032		September-97	
P-1 Line Item Nomencla	ture (Include Do	ODIC for Ammu	nition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
			NICAL TMDE (P44094)			9	Months			7	Months
Line Descriptions	Contact 1	Test Set (SPORT)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					9	14	104	191	225	156	16
Unit Cost					22.0	21.4	20.1	20.5	20.9	21.4	
Total Cost					198.0	300.0	2100.0	3912.0	4703.0	3338.0	
Asset Dynamics											
Beginning Asse	et Position					36	36	129	354	579	73
Deliveries from	η:	FY 1997	Funding				9				
Deliveries from	n:	FY 1998	Funding				14				
Deliveries from	1:	FY 1999	Funding				70	34			
Deliveries from	n Subseque	nt Years Fu	nds					191	225	156	16
Other Gains					36						
Combat Losses	S										
Training Losse	S										
Test Losses											
Other Losses											
Disposals/Reti	rements/Att	ritions									
End of Year As	sset Position	1			36	36	129	354	579	735	90
Inventory Objectiv	e or Curren	t Authorized	d Allowance	900	900	900	900	900	900	900	90
Inventory Ob	jective	Act	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	е	Aircraft:	
900		Ex	penditures	Us	age	(Vehicle	s/Other)	for Replacemer	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Exhibit P-20, I	Requirer	ments St	udv	Approriation/Budget	Activity/Serial No:				Date:			
	<u> </u>			Procureme	nt, Marine Corps (1109) / Communications an	nd Electronic Equipme	nt (4) / 032		September-97		
P-1 Line Item Nomenclatur	re (Include DOI	DIC for Ammuni	tion Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
			IICAL TMDE (P44094)			3	Months			9	Months	
Line Descriptions In	njector Te	est & Cali	bration Equip.		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary							1	1	4	4		
Unit Cost							280.0	286.0	292.0	298.0		
Total Cost							280.0	286.0	1168.0	1195.0		
Asset Dynamics												
Beginning Asset	Position								1	2		
Deliveries from:		FY 1997	Funding									
Deliveries from:		FY 1998	Funding									
Deliveries from:		FY 1999	Funding					1				
Deliveries from S	Subsequent	Years Fund	ls						1	4		
Other Gains												
Combat Losses												
Training Losses												
Test Losses												
Other Losses												
Disposals/Retirer	ments/Attriti	ions										
End of Year Asse	et Position							1	2	6	1	
Inventory Objective	or Current A	Authorized A	Allowance	10	10	10	10	10	10	10	1	
Inventory Obje	ective	Actu	ual Training	Other tha	an Training	Disp	osals	Vehicles Eligible)	Aircraft:		
10		Exp	penditures	Us	age	(Vehicle	es/Other)	for Replacemen	t	TOAI		
Assets Rqd for		96 thru		96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX			-	Inactive Inv		
Total:				- 						Storage		

Remarks:

Exhibit P-20, Requ	iroments Study	Approriation/Budget	Activity/Serial No:				Date:			
		Procureme		09) / Communications a	nd Electronic Equipme	ent (4) / 032		September-97		
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:			
GENERAL	PURPOSE MECHANICAL TMDE (P44094)		3	3 Months		11 Months			
Line Descriptions Test S	Stand, Transmission		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary					1	,	1 2	2		
Unit Cost					860.0					
Total Cost					860.0					
Asset Dynamics										
Beginning Asset Position	on							1 2		
Deliveries from:	FY 1997 Funding									
Deliveries from:	FY 1998 Funding									
Deliveries from:	FY 1999 Funding					,	1			
Deliveries from Subsec	uent Years Funds							1 2		
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/	Attritions									
End of Year Asset Posi	tion					,	1	2 4		
Inventory Objective or Cur	rent Authorized Allowance	4	1	4 4	4		1	4	ı	
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligibl	е	Aircraft:		
4	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemer		TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX			-	Inactive Inv		
Total:								Storage		

Remarks:

Exhibit P-20	Require	monts St	udv	Approriation/Budget	Activity/Serial No:				Date:			
	<u> </u>			Procureme	ent, Marine Corps (110	09) / Communications ar	nd Electronic Equipm	ent (4) / 032		September-97		
P-1 Line Item Nomencla	ature (Include DC	DIC for Ammuni	ition Items):		Admin Leadtime (aft	ter Oct 1):			Prod Leadtime:			
	GENERAL PUR	POSE MECHAN	IICAL TMDE (P44094)			5	Months		21 Months			
Line Descriptions	Tool Sets	, Kits & C	hests		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary												
Unit Cost												
Total Cost												
Asset Dynamics												
Beginning Asse	et Position						,	9 9	9	9)	
Deliveries from	1:	FY 1997	Funding									
Deliveries from	1:	FY 1998	Funding									
Deliveries from	1:	FY 1999	Funding									
Deliveries from	Subsequen	t Years Fund	ls									
Other Gains						9						
Combat Losses	S											
Training Losse	S											
Test Losses												
Other Losses												
Disposals/Retir	rements/Attri	tions										
End of Year As	set Position					9	,	9 9	9	9)	
Inventory Objectiv	e or Current	Authorized A	Allowance		9	9 9	,	9 9	9	9)	
Inventory Of	bjective	Actu	ual Training	Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:		
9	•		penditures	Us	sage	(Vehicle	es/Other)	for Replacemen		TOAI		
Assets Rqd for		96 thru		96 thru		96 thru	,	· ·		PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX			•	Inactive Inv		
Total:								_		Storage		

Remarks:

	Exhibit P-	40, Budget Iter	m Justific	ation Sheet			Date:		February 1998				
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomenclature:								
Procurement, Mar	ine Corps (1109) / Communications and I	Electronic Equipment (4) /	033		NIGHT VISION EQUIPMENT (P44017)								
Program Elements for Code B	Items:	Co	ode:	Other Related Pro	er Related Program Elements:								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog		
Proc Qty													
Gross Cost	56.9		19.9	6.8	11.6	27.1	27.8	28.6	24.9	Cont.	Cont.		
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	56.9		19.9	6.8	11.6	27.1	27.8	28.6	24.9	Cont.	Cont.		
Initial Spares				2.0	0.3					Cont.	Cont.		
Total Proc Cost	56.9		19.5	8.8	11.9	27.1	27.8	28.6	24.9	Cont.	Cont.		
Flyaway U/C													
Wpn Sys Proc U/C													

This is a rollup line for Night Vision Equipment consisting of:

MX 11683 - Night Vision Magnification Device (3X Mag): This is an SL-3 component of the AN/PVS-7B & the AN/PVS-14. The 3X Mag is a lens system which easily fits on the parent system providing 3X magnification to the parent system; it also allows the operator to see targets at range with greater clarity.

MX 1162 - 25mm Gen III Image Intensification Tube (Gen III Tube): The Gen III tube is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-4 & AN/TVS-5 individual and crewserved weapons sights. The tube provides a much higher level of reliability when compared with the present Gen II tube, and substantially improves resolution and therefore range performance of the system in which it is installed. This is not an end item.

AN/PVS-14 - Monocular Night Vision Device (MNVD): The MNVD is a Gen III Image Intensification (I2) device which is similar in performance to the AN/PVS-7B NVG. The MNVD is smaller and lighter than the 7B providing much greater latitude of employment than the NVG. The MNVD can be used as a hand-held pocket scope, carried in the utility uniform pocket, mounted to a head or helmet mount, or mounted to a weapon.

Infrared Laser Pointer (IRLP): The IRLP is a hand-held infrared laser pointer used in conjunction with image intensified night vision devices, such as the AN/PVS-7B and the AN/AVS-6 Night Vision Goggles, to mark ground targets for night vision capable aricraft crew

Exhibit P-40, Budget Item Justification Sheet	Pate: February 1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033	P-1 Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)
SOFLAM AN/PEQ-1A: The SOFLAM is a lightweight laser designator used for dir Night Sight and Tripod.	recting smart munitions against high value targets. It is used with the AN/PVS-13
MOUNTING BRACKET - The mounting bracket allows the AN/PAQ-4C Infrared A installed on the M16A2.	iming Light to be mounted on the M16A2 when the M203 grenade launcher is
AN/PAQ-4C - The AN/PAQ-4C is used in conjunction with night vision devices (Alto the M16A2 service rifle and projects a continuous infrared beam along the weap reference point for target engagement visible only to night vision devices.	N/PVS-7 and AN/PVS-14) to direct weapon fire at night. The AN/PAQ-4C attaches pon's line of fire designating the point of impact on the target, thereby providing a
BORELIGHTS - The Laser Borelight is a rugged projector of visible laser light. Th AN/PAS-13, the Infrared Aiming Light, AN/PAQ-4 and other Night Vision devices tenables the boresighting of weapons during daylight, low light and darkness without the contraction of the contraction	o the various weapon systems they may be attached to. The Laser Borelight

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	y/Serial No: orps (1109) / Com Equipment (4) / 0		P-1 Line Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)				Weapon System	Type:	Date: Febr	uary 1998
Weapon System	ID		Licotronic	Equipment (4) 7		FY 97			FY 98	<u> </u>	I	FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
900 = 1011101110					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MX 11620 (Gen III Tube) Production & Engineering Fee (P&E											11313 250	5057	223
SUBTOTAL											11563		
AN/PVS-14 (MNVD) - '97 Award 1	А				17556	7442	2359						
P&E Support Costs Special Tools					250 262 436								
SUBTOTAL					18504								
Infrared Laser Pointer (IRLP	В							2542	315	8070			
SUBTOTAL								2542					
SOFLAM AN/PEQ-1A Accessories (Night Sights / Tripods) Engineering Support and Trainin	А				1061 301 41	14	75786						
SUBTOTAL					1403								
AN/PAC-4C IR Aim Light Borelights Mounting Brackets	A A A							1200 2200 900	1507 6250 14062	352			
SUBTOTAL								4300					
TOTAL					40007			0040			44500		
IVIAL					19907			6842			11563		

E	xhibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	February ²	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Equipment (4) / 033	Electronic	Weapon System Type:				P-1 Line Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Method Location of PCO		Date of First	QTY Each	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
MX 11620 (Gen III Tube) FY 99	Unknown		USA CECOM	Dec-98		5057	2237		N/A	N/A
AN/PVS-14 (MNVD) - '97 Award 1 FY 97	ITT/ Roanoke, Va	CM-2/FPC	USA CECOM	May-97	Oct-97	7442	2359	YES	N/A	N/A
Infrared Laser Pointer (IRLP) FY 98	Unknown	C/FFP	NSWC CRANE	Apr-98	Oct-98	315	8070	NO	N/A	N/A
Soflam AN/PEQ-1A FY 97	Litton, FI	FPO	NSWC CRANE	Jan-98	Mar-99	14	75786	YES	N/A	N/A
AN/PAQ-4C IR Aim Light FY 98	Unknown	C/FFP	NSWC CRANE	Apr-98	Oct-98	1507	796	YES	N/A	N/A
Borelight FY 98	Unknown	C/FFP	NSWC CRANE	Apr-98	Oct-98	6250	352	YES	N/A	N/A
Mount Brackets FY 98	Unknown	C/FFP	NSWC CRANE	Apr-98	Oct-98	14062	64	YES	N/A	N/A

Exhibit P-20, Require	omonte Stu	dv	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit P-20, Require	ements Stu	uy	Procurem	nent, Marine Corps (110	9) / Communications a	nd Electronic Equipm	ent (4) / 033	Feb-98		
P-1 Line Item Nomenclature (Include I	OODIC for Ammuniti	on Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
NIGHT VISION SPEC	IAL OPERATION FO	ORCES LASER MAR	RKER (SOFLAM)		11	Months		18		Months
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				14						
Unit Cost				76						
Total Cost				1061						
Asset Dynamics										
Beginning Asset Position				15	15	15	29	29	29	2
Deliveries from:	FY 1997	Funding				14				
Deliveries from:	FY 1998	Funding								
Deliveries from:	FY 1999	Funding								
Deliveries from Subseque	ent Years Fund	ls								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/At	ttritions									
End of Year Asset Position	on			15	15	29	29	29	29	2
Inventory Objective or Curre	nt Authorized A	Allowance								
Inventory Objective	Actua	al Training	Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
4	2 Expe	enditures	U:	sage	(Vehicle	s/Other)	for Replacemer	nt	TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:							=		Storage	_

Remarks: AO of 42 is in staffing and pending approval..

Exhibit P-20, R	Paguiram	onte St	udv	Approriation/Budget	Activity/Serial No:	•			Date:			
	-		-			ne Corps /Communicat	ions and Electronic E	quipment / P4401033		Februa	ary-98	
P-1 Line Item Nomenclature	e (Include DODI	C for Ammur	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
1A	N/PVS-14 MONO	OCULAR NIC	GHT VISION DEVICE			7	Months			5	Months	
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary					7442							
Unit Cost					2							
Total Cost					17556							
Asset Dynamics												
Beginning Asset	Position						7442	7442	7442	7442	744	
Deliveries from:	F`	Y 1997	Funding			7442						
Deliveries from:	F`	Y 1998	Funding									
Deliveries from:	F`	Y 1999	Funding									
Deliveries from S	Subsequent \	ears Fur	nds									
Other Gains												
Combat Losses												
Training Losses												
Test Losses												
Other Losses												
Disposals/Retiren	ments/Attrition	ons										
End of Year Asse	et Position					7442	7442	7442	7442	7442	744	
Inventory Objective	or Current A	uthorized	Allowance									
Inventory Object	ctive	Actı	ual Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:		
9407		Ex	penditures	Us	sage	(Vehicle	s/Other)	for Replacemen	nt	TOAI		
Assets Rqd for	96	6 thru		96 thru		96 thru				PAA:		
Combat Loads:	F`	Y XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	F`	Y XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		Y XXXX		FY XXXX		FY XXXX	·	Augment		BAI	<u> </u>	
Other:	F'	Y XXXX		FY XXXX		FY XXXX	·		·	Inactive Inv	·	
Total:	\top									Storage		

Remark	s:
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Exhibit P-20, F	Paguira	monte Stud		Approriation/Budget	Activity/Serial No:				Date:			
	-		-	Procur		/Communications and E	ectronic Equipment /	P4401033		Feb-98		
P-1 Line Item Nomenclatur	re (Include D	ODIC for Ammunition	n Items):		Admin Leadtime (at	ter Oct 1):			Prod Leadtime:			
	INFRA	RED LASER POINT	ER (IRLP)			3	Months		9 Months			
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary						315						
Unit Cost						8						
Total Cost						2542						
Asset Dynamics												
Beginning Asset	Position							315	315	315	31	
Deliveries from:		FY 1997 F	unding									
Deliveries from:		FY 1998 F	unding				315					
Deliveries from:		FY 1999 F	unding									
Deliveries from S	Subseque	nt Years Funds	1									
Other Gains												
Combat Losses												
Training Losses												
Test Losses												
Other Losses												
Disposals/Retire	ments/Att	ritions										
End of Year Asse	et Positio	n					315	315	315	315	31	
Inventory Objective	or Currer	nt Authorized Al	lowance									
Inventory Obje	ective	Actual	Training	Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:		
315		Exper	nditures	U	sage	(Vehicle	s/Other)	for Replacemer	nt	TOAI		
Assets Rqd for		96 thru		96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	•	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX		FY XXXX		FY XXXX	·	Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv		
Total:										Storage		

R	Δ,	m	าล	r	k	c	•

Exhibit P-20,	Require	ments Study	Approriation/Budget	Activity/Serial No:				Date:			
	-				arine Corps /Communica	tions and Electronic E	quipment / P4401033		Februa	ary-98	
P-1 Line Item Nomencla	ture (Include DC	DDIC for Ammunition Items):	Admin Leadtime (a	fter Oct 1):			Prod Leadtime:			
		BORELIGHT			7	Months		5 Months			
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary					6250						
Unit Cost					0.4						
Total Cost					2200						
Asset Dynamics											
Beginning Asse	et Position						6250	6250	6250	625	
Deliveries from	:	FY 1997 Fundin	g								
Deliveries from	:	FY 1998 Fundin	g			6250					
Deliveries from	:	FY 1999 Fundin	g								
Deliveries from	Subsequer	nt Years Funds									
Other Gains											
Combat Losses	S										
Training Losse	S										
Test Losses											
Other Losses											
Disposals/Retir	ements/Attr	itions									
End of Year As	set Position	1				6250	6250	6250	6250	625	
Inventory Objectiv	e or Curren	t Authorized Allowar	nce								
Inventory Ob	jective	Actual Train	ing Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:		
	6250	Expenditur	es U	sage	(Vehicle	es/Other)	for Replacemer	nt	TOAI		
Assets Rqd for		96 thru	96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:									Storage		

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Exhibit P-20,	Poquiro	monte Study		Approriation/Budge	t Activity/Serial No:				Date:			
EXHIDIT F-20,	Require	illellis Study			Procurement, Ma	arine Corps /Communicat	tions and Electronic E	quipment / P4401033	•	Februa	ary-98	
P-1 Line Item Nomenclat	ture (Include DC	DDIC for Ammunition It	tems):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:			
	ı	MOUNTING BRACKET	Γ			7	Months	5 Months				
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary						14062						
Unit Cost						0.1						
Total Cost						900						
Asset Dynamics												
Beginning Asse	et Position							14062	14062	14062	1406	
Deliveries from	:	FY 1997 Fur	nding									
Deliveries from	:	FY 1998 Fur	nding				14062					
Deliveries from	:	FY 1999 Fur	nding									
Deliveries from	Subsequer	nt Years Funds										
Other Gains												
Combat Losses	3											
Training Losses	S											
Test Losses												
Other Losses												
Disposals/Retir	ements/Attr	ritions										
End of Year As	set Position	1					14062	14062	14062	14062	1406	
Inventory Objective	e or Curren	t Authorized Allo	wance									
Inventory Ob	jective	Actual Ti	raining	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:		
	14062	Expend	litures	U	sage	(Vehicle		for Replacemen	nt	TOAI		
Assets Rqd for		96 thru		96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv		
Total:										Storage	<u> </u>	

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Exhibit P-20, F	Paguiraman	te Study	Approriation/Budge	et Activity/Serial No:				Date:		
	-	<u> </u>			rine Corps /Communicat	ions and Electronic E	quipment / P4401033		Februa	ary-98
P-1 Line Item Nomenclature	e (Include DODIC fo	r Ammunition Items):		Admin Leadtime (a	ter Oct 1):			Prod Leadtime:		
	AN/PAQ-4C INF	RARED AIMING LIGHT			7	Months			5	Months
Line Descriptions				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					1507					
Unit Cost					1					
Total Cost					1200					
Asset Dynamics										
Beginning Asset	Position						1507	1507	1507	150
Deliveries from:	FY 1	997 Funding								
Deliveries from:	FY 1	998 Funding				1507				
Deliveries from:	FY 1	999 Funding								
Deliveries from S	ubsequent Yea	ars Funds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirer	ments/Attritions	i .								
End of Year Asse	et Position					1507	1507	1507	1507	150
Inventory Objective	or Current Auth	orized Allowance								
Inventory Obje	ctive	Actual Training	Other th	nan Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
		Expenditures	ι	Jsage	(Vehicle	s/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 th	nru	96 thru		96 thru				PAA:	
Combat Loads:	FY X	XXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY X	XXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	-
Pipeline:		XXXX	FY XXXX		FY XXXX	<u> </u>	Augment		BAI	·
Other:	FY X	XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:									Storage	

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FY 98 / 99 BUDGET PRO	DUC	CTION SO	HED	ULE			P-11	tem No	omenc	anure		NIGH	IT VIS	SION E	QUIF	PMENT	Г (Р44	017)					Date:				Febru	uary 1	998		
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MX 11683 (3X Mag)	+						<u> </u>	V	C	IN	ь		N		IN	_	G	_	-	V	U	IN	ь	- N	- IN	_	IN		G		_ <u>``</u>
WX 11003 (3X Wag)	1	FY 96	MC	9268	0	9268						Α							300	350	400	650	750	825	825	825	825	825	825	825	4040
	H	F1 90	IVIC	9200	U	9200						A							300	350	400	650	750	825	825	825	825	825	825	825	1043
MV 44C20 (Cap III Tuba) 20C Assard	+																														
MX 11620 (Gen III Tube) - '96 Award	+,																														
	1	FY 96	MC	1159	0	1159						Α										50	50	65	100	100	100	100	150	150	294
																															<u> </u>
MX 11620 (Gen III Tube) - '96 Award																															
	2	FY 96	MC	521	0	521							Α												50	50	50	50	50	50	221
																															<u> </u>
MX 11620 (Gen III Tube) - '96 Award	Ш																														ь
	2	FY 96	MC	114	0	114										Α															114
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MX 11620 (Gen III Tube)																															l
,	3	FY 99	MC	5057	0	5057																									5057
	Ť																														
AN/PVS-14 (MNVD) - '97 Award 1	+											_																-			
711171 VO 14 (WIIVVB) 07 7 (Wala 1	4	FY 97	МС	7442	0	7442						-														Α					7442
	4	F1 91	IVIC	7442	0	7442																				A					7442
Mayoting Drackate		E)/ 00	140	4.4000		4.4000																									
Mounting Brackets	6		MC	14062	0	14062																									14062
Borelights	7	FY 98	MC	6250	0	6250																									6250
AN/PAQ-4C IR Aiming Light	8	FY 98	MC	1507	0	1507																									1507
Infrared Laser Pointer (IRLP)																															<u></u>
	3	FY 98	MC	315	0	315																									315
SOFLAM AN/PEQ-1A	5	FY 97	MC	14	0	14																									21
							0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α		i
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2 Litton, TX 3 Unknown								2	INITIA	AL RDER							6			12			18								
4 ITT/ Roanoke, Va								3	INITIA			_					2			10			12		1						
5 Litton, FL										RDER]						
6 Unknown									INITIA								7			5			12								
7 Unknown					-	-			REOF			_							-						-						
8 Unknown					 	.			REOF		-								 						1						

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MX 11620 (Gen III Tube) - '96 Award 2 FY 96 MC 114 0 114 1	MX 11620 (Gen III Tube) - '96 Award																															
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AN/PVS-14 (MNVD) - '97 Award 1		2	FY 96	MC	114	0	114					42	72																			
AN/PVS-14 (MNVD) - '97 Award 1																																
AN/PVS-14 (MNVD) - '97 Award 1	MX 11620 (Gen III Tube)																															
Mounting Brackets		3	FY 99	MC	5057	0	5057															Α										5057
Mounting Brackets																																
Mounting Brackets	AN/PVS-14 (MNVD) - '97 Award 1																															
Borelights 7 FY 98 MC 6250 0 6250		4	FY 97	MC	7442	0	7442	620	620	620	620	620	620	620	620	620	620	620	622													
Borelights 7 FY 98 MC 6250 0 6250																																
Borelights 7 FY 98 MC 6250 0 6250	Mounting Brackets	6	FY 98	MC	14062	0	14062							Α						1171	1171	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	
AN/PAQ-4C IR Aiming Light 8 FY 98 MC 1507 0		7	FY 98	MC	6250	0	6250							Α						520	521	521	521	521	521	521	521	521	521	521	520	
Infrared Laser Pointer (IRLP) 3 FY 99 MC 315 0		8	FY 98		1507	0	1507							Α						125	125	125	126	126	126	126	126	126	126	125	125	
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5 Litton, FL REORDER Secondary Secondary REORDER Secondary									7									6			6		-	12		1						
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MX 11683 (3X Mag)	+		V				_	V	C	IN	В	ĸ	K	Y	IN		G	Р	-	V	U	IN	В	K	K	Y	IN		G	Р	
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Mounting Brackets	6		MC	14062	0	14062																							$\vdash \vdash$		14062
Borelights	7	FY 98	MC	6250	0	6250																							$\vdash \vdash$		6250
AN/PAQ-4C IR Aiming Light	8	FY 98	MC	1507	0	1507																							ш		1507
Infrared Laser Pointer (IRLP)																															<u> </u>
	3	FY 99	MC	315	315																								i		L
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1 ITT/Roanoke, VA								•		RDER																					
2 Litton, TX									INITIA	AL RDER															1						
3 Unknown 4 ITT/ Roanoke, Va			 						INITI/																1						
5 Litton, FI										RDER															1						
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8 Unknown					1			ļ	INITIA	AL RDER									ļ						1						

	Exhibit	P-40, Budget	Item Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipment	t (4) / 035				COMMAI	ND POST SYSTEMS	S (P44404)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			10.1	13.6	7.1	19.5	19.4	13.5	2.8		85.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			10.1	13.6	7.1	19.5	19.4	13.5	2.8		85.9
Initial Spares			1.4	0.0	0.3	0.8	0.7	0.7			3.9
Total Proc Cost			11.5	13.6	7.4	20.3	20.1	14.2	2.8		92.1
Flyaway U/C											
Wpn Sys Proc U/C											

THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:

TCO **Tactical Combat Operations**

Global Command and Control System GCCS

Advance Field Artillery Tactical Data System AFATDS

		FY97	FY98	FY99	FY00	FY01	FY02	FY03
TCO	FY97 - FY03	6.7	9.3	1.6	1.1	.9	.6	.6
GCCS	FY97 - FY03	3.4	4.3	2.0	2.0	2.1	2.1	2.2
AFATDS	FY99 - FY02	0	0	3.6	16.4	16.3	10.7	0
TOTAL		10.1	13.6	7.1	19.5	19.4	13.5	2.8

Notes:

TCO FY 96 Funded in BLI 461300 (TCO); FY 95 & Prior Funded in BLI 461000 (MTACCS)

GCCS FY 96 & Prior Funded in 494200

AFATDS FY96 & Prior Funded in BLI 461100

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	r/Serial No: rps (1109) / Comr Equipment (4) / 0	nunications and		m Nomenclature: OMMAND POST	SYSTEMS (P4440		Weapon System	Type:	Date: Feb	ruary 1998
Weapon System	ID		2.000.01.10	_qa.po (1) / 0		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Cost Elements	CD				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TACTICAL COMBAT OPERATIONS ADPE (GCCS/WWMCCS) AFATDS					6673 3432	Lacii	φοσο	9268 4294	Lacii	\$000	1583 1975 3576		\$000
TOTAL Active Total					10105 8437			13562 11154			7134 7134		
Reserve Tota					1668			2408			0		

						Date:				
	Exhibit P-4	0, Budget Item Justifi	cation Shee	t				February 1998		
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	ature:	I				
Procurement, Ma	rine Corps (1109) / Communications and El	lectronic Equipment (4) / 035				ADPE (GCCS/WWMCCS)	A44403)		
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
020	06313M / C2277	А								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost		3.4	4.3	2.0	2.0	2.1	2.1	2.2		18.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		3.4	4.3	2.0	2.0	2.1	2.1	2.2		18.2
Initial Spares		0.5								0.5
Total Proc Cost		3.9	4.3	2.0	2.0	2.1	2.1	2.2		18.6
Flyaway U/C										
Wpn Sys Proc U/C										

Global Command and Control System (GCCS). Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the GCCS hardware (servers, workstations, printers and communications support equipment (hubs, routers, net encryption devices, modems, and cabling) to support Marine Corps participation in the GCCS as directed by the Secretary of the Navy and Chairman, Joint Staff.

FY 96 & Prior Funded in BLI 494200

MS II-Sep 96 MS III-Apr 97

Exhibit P-5, Weapon		Appropriation/ Bu				m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen	orps (1109) / Comr Equipment (4) / 0			ADPE (GCCS/WV	VMCCS) (A44403)	·				ruary 1998
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GCCS	A			\$000 3432	Each	\$	\$000 4294		\$	\$000 1975		\$
TOTAL				3432			4294			1975		

	Exhibit P-5a, Budget Procureme	nt History a	ınd Planning						February	1998
Appropriation / Budget Activity/Serial No:		Weapon Sys			P-1 Line Item	Nomenclature	9:		rebluary	1990
Procurement, Marine Corps (1109) / Communication	ons and Electronic					ADPE	(GCCS/WWMCCS	(A4440	3)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
2000										
GCCS FY97	VARIOUS	C/FFP	VARIOUS	lon 07	May-97	VAR	VAR	NO	NO	NI/
- 197 - Y98	VARIOUS		VARIOUS	Jan-97	May-98					N/A
				Jan-98	May-98	VAR	VAR		NO	N//
Y99	VARIOUS	C/FPP	VARIOUS	Jan-99	May-99	VAR	VAR	NO	NO	N/A

	Exhibit P-	40, Budget Item Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Ma	arine Corps (1109) / Communications and E	lectronic Equipment (4) / 035				TACTICAL (COMBAT OPERATIO	NS (A44412)		
Program Elements for Code B	Items:	Code:	Other Related Prog	ram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		154	180	9						343
Gross Cost		6.7	9.3	1.6	1.1	0.9	0.6	0.6		20.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		6.7	9.3	1.6	1.1	0.9	0.6	0.6		20.8
Initial Spares		0.9		0.3						1.2
Total Proc Cost		7.6	9.3	1.9	1.1	0.9	0.6	0.6		22.0
Flyaway U/C										
Wpn Sys Proc U/C		0.043	0.051	0.176						

This procurement covers the microcomputer needs of the TCO program. This program provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System, with plans to migrate to the DII COE FY98, and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.

FY96 Funded in BLI 461300 (TCO) FY95 and prior funded in BLI 461000 (MTACCS)

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	y/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen		orps (1109) / Com Equipment (4) / 0		TACT	TICAL COMBAT C	PERATIONS (A4	1412)			Febr	uary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware Costs TAC IV Computer TAC IV Expansion Bo> TCIM (Army Modem) Transit Cases SLIM	A A A A				5790 505 95	154 60 154	37600 8410 617	1026	180 68 81 248 5	15088 8605 633	139 79 12	9 9 9 18 11	48778 15444 8778 670 55545
Support Costs					283			130	5	22200	303	11	55548
TOTAL					6673			9268			1583		
Active Total Reserve Tota					5005 1668			6860 2408			1583		

								Date:		
	Exhibit P-5a, Budget Procuremen		•						February	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications Equipment (4) / 035	s and Electronic		_	_	_	TACTICAL	COMBAT OPERA	TIONS (A	44412)	_
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
Hardware Costs		,,		1			· · · · · · · · · · · · · · · · · · ·			
TAC IV Computer										
FY97	HEWLETT PACKARD, CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-97	Apr-97	154	37600	YES	NO	NA
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	180	39706	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	48778	YES	NO	NA
TAC IV Expansion Box										
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	68	15088	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	15444	YES	NO	NA
TCIM (Army Modem)										
FY97	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-97	Apr-97	60	8410	YES	NO	NA
FY98	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-98	Apr-98	81	8605	YES	NO	NA
FY99	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-99	Apr-99	9	8778	YES	NO	NA
Transit Cases										
FY97	PACKAGING STRATEGIES, BALTIMORE, MD.	C/FFP	NISE EAST	Jan-97	Apr-97	154	617	YES	NO	NA
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	248	633	YES	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	18	670	YES	NO	NA
SLIM										
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	5	22200	NO	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	11	55545	NO	NO	NA

REMARKS: Differing configurations are tailored to each organization. Different configurations provide different capabilities, and hence vary in cost and quantity.

Exhibit P-20,	Poquiro	monte Stu		Approriation/Budget	Activity/Serial No:				Date:		•
	=		-	Procurem	ent, Marine Corps (110		nd Electronic Equipm	ent (4) / 035		February 1998	
P-1 Line Item Nomenclat	ture (Include DC	ODIC for Ammunition	on Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
	TACTICAL	COMBAT OPERA	ATIONS (TCO)			3	Months			3	Months
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					154	180	9	0	0	0	
Unit Cost					43.3	51.5	175.9				
Total Cost					6673.0	9268.0	1583.0				
Asset Dynamics											
Beginning Asse	et Position				334	428	594				
Deliveries from	:	FY 1997 F	unding		94	60	·				
Deliveries from	:	FY 1998 F	unding			106	74				
Deliveries from	:	FY 1999 F	unding				9				
Deliveries from	Subsequer	nt Years Funds	S								
Other Gains											
Combat Losses	S										
Training Losses	S										
Test Losses											
Other Losses											
Disposals/Retir	rements/Attr	ritions									
End of Year As	set Position	1			428	594	677				
nventory Objective	e or Curren	t Authorized A	llowance								
Inventory Ob	jective	Actual	l Training	Other that	an Training	Dispo	osals	Vehicles Eligible	е	Aircraft:	
753		Expe	enditures	Us	sage	(Vehicle	s/Other)	for Replacemen	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:	660	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	0	FY XXXX	· · · · · · · · · · · · · · · · · · ·	FY XXXX		FY XXXX	<u> </u>	FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX]		Inactive Inv	
Total:	753									Storage	

Remark	s:
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FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCH	IEDUL	E		P-1 II	tem No	omeno			AL CO	MBA ⁻	T OPE	RATI	ONS ((A444	12)					Date:				Febr	uary 1	998		
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	М		S	QTY	PRIOR	DUE							(Cale	nda	r Ye	ar 96	;						C	alen		Year	97			Α
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TCO System	1	97	MC	120	0	120			Ť								Ŭ	·		Ť		A			10	10	10	10		10	60
" Reserves*	1	97	MCR	34	0	34																Α			6	6	6	6	6	4	
II	1	98	MC	146	0	146																									146
" Reserves*	1	98	MCR	34	0	34																									34
11	1	99	MC	9	0	9																									9
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TCO	1	97	MC	120	60	60	10	10	10	10	10	10																			
П	1	97	MCR	34	34																										
II .	1	98	MC	146	0	146				Α			12	12	12	12	12	12	12	12	12	12	12	14							
II .	1	98	MCR	34	0	34				Α			5	6	6	6	6	5													
п	1	99	MC	9	0	9																Α			9						
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	Exhib	it P-40, Budget	Item Justific	cation Shee	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mar	rine Corps (1109) / Communication	s and Electronic Equipmen	t (4) / 035					AFATDS (A44006)			
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					51	242	242	142			677
Gross Cost					3.6	16.4	16.3	10.7			47.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)					3.6	16.4	16.3	10.7			47.0
Initial Spares						0.8	0.7	0.7			2.2
Total Proc Cost					3.6	17.2	17.0	11.4			49.2
Flyaway U/C											
Wpn Sys Proc U/C					0.070	0.068	0.067	0.075			

Advanced Field Artillery Tactical Data System (AFATDS) will provide digital fire suport Command and Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (afloat). This line procures the hardware only. A hardware suite will consist of ruggedized general purpose computers, tactical modems, printers, displays, electrical distribution units and integration rack/shelter kits. Initial fielding will include Marine Corps Fire Support Command and Control System, similar to the Army's Initial Fire Support Automation System, to provide an initial capability. The system will work with existing and planned tactical communication equipment. The hardware suite is changing in FY-99 in order to support the system migration to the DoD Common Operating Environment and run the more complex AFATDS software. Initial FY99 procurement will replace the fielded IFSAS systems.

FY 96 & Prior Funded in BLI 461100

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	//Serial No:		P-1 Line Ite	em Nomenclature:		Weapon System	Type:	Date:	
WPN SYST Cost Analysis			t, Marine Co	orps (1109) / Comr Equipment (4) / 0	munications and 35			(A44006)			Feb	ruary 1998
Weapon System	ID									l '	FY 97	
Cost Elements	CD									TotalCost	Qty	UnitCost
										\$000	Each	\$
AFATDS												
Data System												
SUPPORT COSTS												
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT												
TOTAL												

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	//Serial No:		P-1 Line Ite	em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,		ps /Communicatio nent / P4440035	ns and Electronic		AFA	TDS				Feb	ruary 1998
Weapon System	ID		FY98			FY99			FY00			FY01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AFATDS					2917	51	57196	14147	242	58459	14458	242	59744
Data System													
SUPPORT COSTS													
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT ECP's					110 174 171 110 94			258 483 484 375 666			225 408 392 325 372 150		
TOTAL Active Reserves					3576			16413			16330 13765 2565		

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis				rps (1109) / Comr			AFATDS	(A44006)				Feb	ruary 1998
Weapon System	ID		FY02	quipment (4) / 03	35	FY03						<u> </u>	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
OOST Elements		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AFATDS		8670	142										
Data System													
SUPPORT COSTS													
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT ECP's		168 382 366 252 354 490											
TOTAL Active Reserves		10682 10682											

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning						February	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communication Equipment (4) / 035	ns and Electronic						AFATDS (A4400	06)		
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is Dat
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AFATDS										
Y99	US Army, CECOM	C/FFP	US Army CECOM	Jan-99	Jul-99	51	57196	VES	NO	N/A
FY00	TBD	TBD	TBD	Jan-00		242	58459		NO	N/A
Y01	TBD	TBD	TBD	Jan-01	Jul-00	242	59744		NO	N/A
				Jan-01	Jul-01					
FY02	TBD	TBD	TBD	Jan-02	Jul-02	142	61056	YES	NO	N/A
			i	1					l	1

Exhibit P-20, Requ	uiromonte Study	Approriation/Budget Act	tivity/Serial No:				Date:		
Exhibit F-20, Requ	direments Study	Procurement	, Marine Corps (1	109) / Communications	and Electronic Equipm	ent (4) / 035		February 1998	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):	A	dmin Leadtime (at	ter Oct 1):			Prod Leadtime:		
	AFATDS				3 Months			6	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					51	242	242	142	
Unit Cost					70.1	67.8	67.5	75.2	
Total Cost					3576.0	16413.0	16330.0	10682.0	
Asset Dynamics									
Beginning Asset Posit	tion					51	293	535	67
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				51				
Deliveries from Subse	equent Years Funds					242	242	142	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition				51	293	535	677	67
Inventory Objective or Cu	urrent Authorized Allowance								
Inventory Objective	Actual Training	Other than	Training	Disp	oosals	Vehicles Eligible	е	Aircraft:	
677	Expenditures	Usag	ge	(Vehicl	es/Other)	for Replacemer	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

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FY 98 / 99 BUDGET PRO	DUC	CTION SO	CHEDI	ULE			P-1 I	tem No	omeno	clature	Y	,	AFAT	DS (A	44006	3)							Date				Febr	uary 1	998		
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AFATDS	1	99	MC	51	0	51				Α						51															
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1 U.S. Army CECOM		250		500	1500				REOF	RDER						<u> </u>			_			<u> </u>			CO	RPS I	REPRI	ESENT	T A SM	IALL	
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	Exhibit P-4	0, Budget Item Justifi	cation Shee	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ature:	•				
Procurement, Mar	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 036				MANEU	VER C2 SYSTEMS	(P44401)		
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty									·	
Gross Cost		6.7	7.8	19.3	26.9	19.9	5.9	9.6		96.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		6.7	7.8	19.3	26.9	19.9	5.9	9.6		96.1
Initial Spares		7.2		2.3	2.7	2.7	2.0	0.5		17.5
Total Proc Cost		14.0	7.8	21.6	29.6	22.6	7.9	10.1		113.7
Flyaway U/C										•
Wpn Sys Proc U/C										

This is a rolled line consisting of the following:

		FY97	FY98	FY99	FY00	FY01	FY02	FY03
JTIDS	FY97 - FY03	1.2	7.2	6.5	7.0	7.9	1.0	1.0
DACT	FY97 - FY03	5.6	.6	12.8	19.9	12.0	4.9	8.6

Maneuver C2 is the executive layer of decision support that pulls and fuses information from the functional areas. It provides an integrated representation of the battlespace or a specific area of concern. The systems included in this budget line report unit status and location to the Tactical Combat Operations (TCO) and Advanced Tactical Air Command Control (ATACC). They also disseminate maneuver information throughout the battlespace.

JTIDS - JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM DACT - DATA AUTOMATED COMMUNICATIONS TERMINAL

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	y/Serial No:		P-1 Line Ite	em Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co Electronic	orps (1109) / Com Equipment (4) / 0	munications and 36		MANEUVER C2 S	SYSTEMS (P44401)			Feb	uary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JTIDS	Α				1165 5568			7196			6552 12755		
DACT	В				5568			620			12755		
								ĺ					
								ĺ					
TOTAL					6733			7816			19307		

	Exhibit P	-40, Budget I	tem Justific	cation Shee	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	iture:					
Procurement, Mar	rine Corps (1109) / Communications and	d Electronic Equipment	(4) / 036					DACT (A44405)			
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
020	06313M / C2271		В								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			250		902	1415	760	294	445		4066
Gross Cost			5.6	0.6	12.8	19.9	12.0	4.9	8.6		64.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			5.6	0.6	12.8	19.9	12.0	4.9	8.6		64.4
Initial Spares					0.3	0.6	0.6	0.7	0.5		2.7
Total Proc Cost			5.6	0.6	13.1	20.5	12.6	5.6	9.1		67.1
Flyaway U/C											
Wpn Sys Proc U/C			0.022		0.014	0.014	0.016	0.017	0.019		

The Data Automated Communications Terminal (DACT) will extend situational awareness echelons below the battalion level within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational messages/reports, and position information via tactical radios, networks, and/or wire lines. A phased approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

DT-Sept 98 for System DT-Oct 97-Mar 98 for Hardware IOT&E-Feb 99 MS I/II-Nov 95 MS III-Jun 99

Test Results-Received preliminary HW Core Qualification Test Results.

Exhibit P-5, Weapon		Appropriation/ Budget Activ	ity/Serial No:		P-1 Line Ite	em Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement, Marine (Electroni	Corps (1109) / Com			DACT (A	A44405)				Febi	ruary 1998
Weapon System	ID			l '	FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	_			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DACT (LRIP Contract) DACT (Production Contract) DACT Vehicle Mount Ki Support Costs *	В			972 2400 2096	50 200		500			9137 1754 1614		10130
Factory Training				100			120			250		
*Includes one time costs for contract options to purchase such things as technical data protocol implementation, device drivers, etc												
TOTAL Active Componen Reserve Componen				5568 (5568) (0)			620 (620) (0)			12755 (9655) (3100)		

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	February	1998
propriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communica Equipment (4) / 036	ations and Electronic				_		DACT (A44405			_
SS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
cal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
ACT										
′ 97	Hughes, Indianapolis, IN	C/TM	NAVAIR, Pax River, MD	Jul-97	Sep-97	50	19440	-	N/A	Apr-9
′ 97	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Aug-97	Jan-98	200			N/A	May-
′ 99	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Jun-99	Aug-99	902	10130	yes	N/A	May-
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REMARKS:

Contract with Hughes is a NAVAIR contract. NAVAIR is located in Patuxent River, MD. MARCORSYSCOM, PM Contracts has an authorized contracting officer for this contract.

MCSC contract is for the Ruggedized Handheld Computer (RHC), the hardware platform for the DACT program. The RHC will be the standard palmtop computer for the Marine Corps, therefore other programs may be using this contract.

Exhibit P-20, Requir	omonte St	ıdv	Approriation/Budget	Activity/Serial No:				Date:		
•			Procurem	ent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 036		February 1998	
P-1 Line Item Nomenclature (Include	DODIC for Ammun	ition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
MAN	EUVER C2 SYSTE	MS (A44405)			10	Months			2	Months
Line Descriptions: DACT				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				250		902	1415	760	294	44
Unit Cost				22.3		14.1	14.1	15.8	16.8	19.
Total Cost				5568.0	620.0	12755.0	19883.0	11998.0	4941.0	8557.
Asset Dynamics										
Beginning Asset Position	1				2	150	335	1797	2873	345
Deliveries from:	FY 1997	Funding		2	148	100				
Deliveries from:	FY 1998	Funding								
Deliveries from:	FY 1999	Funding				85	817			
Deliveries from Subsequ	ent Years Fun	ıds					645	1076	580	61
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/A	ttritions									
End of Year Asset Positi	on			2	150	335	1797	2873	3453	406
Inventory Objective or Curre	ent Authorized	Allowance								
Inventory Objective	Actu	ıal Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
406	66 Exp	penditures	U	sage	(Vehicle	s/Other)	for Replacemen	nt	TOAI	
Assets Rqd for 406	66 96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total: 406	66								Storage	

Remarks:

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	2	FY01	MC	760	306	454	51	51	51	51	50	50	50	50	50																
	2	FY02	MC	294	0	294								Α		42	42	42	42	42	42	42									
	2	FY03	MC	445	0	445															Α		55	55	55	56	56	56	56	56	
DACT Reserves *	2	FY99	МС	228	228																										
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1 Hughes, Indianapolis				-			1			RDER																					duction
2 EPS, Tinton Falls, NJ								2	INITI	AL							10			10			20		rate	intori	mation	is no	t availa	ible.	
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						Date:				
	Exhibit P-4	0, Budget Item Justific	cation Sheet					February 1998		
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 036					JTIDS (A44169)			
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
	T = T								I I	
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		1	6	6						13
Gross Cost		1.2	7.2	6.5	7.0	7.9	1.0	1.0		31.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		1.2	7.2	6.5	7.0	7.9	1.0	1.0		31.8
Initial Spares		7.2		2.3	2.1	2.1	1.4			15.1
Total Proc Cost		8.4	7.2	8.8	9.1	10.0	2.4	1.0		47.0
Flyaway U/C										
Wpn Sys Proc U/C		1.200	1.200	1.083						

THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS.

THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.

THIS ITEM IS CODE A

PRIOR TO FY 1997 THIS PROGRAM IS BUDGETED IN BLI 421300.

Exhibit P-5, Weapon		Appropriation/ Bu	udget Activity	//Serial No:		P-1 Line Ite	em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen		orps (1109) / Comr Equipment (4) / 0			JTIDS (A44169)				Feb	ruary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JTIDS Terminals & High Power Amplifier Group (HPAG)					625	1	624526						
Contractor Support					340			244			200		
JTIDS Support Equipmen					190			450			52		
TAD					10			25			25		
AN/TYQ-JTIDS								6275	6	1045833	6275	6	1045833
MCCTSSA Support								202					
TOTAL					1165			7196			6552		
ACTIVE RESERVES					1165 (0)			6150 (1046)			6552 (0)		

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,			ns and Electronic		JTIDS	(44169)				Feb	ruary 1998
	ID		FY 00	nent / P4440036		FY 01			FY 02		<u> </u>	FY 03	
Weapon Svstem Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
COSt Liements	1	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CAC2S JTIDS INTEGRATION		4200		·	4700		·	508		·	500		·
CEC IMPLEMENTATION		1040			1000								
CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY		836			1031								
SUPPORT COSTS		411			530			489			526		
TERMINAL ANCILLARIES		500			600								
TOTAL		6987			7861			997			1026		
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Ex	chibit P-5a, Budget Procuremer	nt History a	nd Planning						February	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclatur	e:	<u> </u>	· obradiy	1000
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 036	Electronic						JTIDS (A44169	9)		
VBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Iss
	Contractor and Eccation	Method	Location of 1 CO	Award Date				Avail	Revsn	Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
TIDS High Power Amplifier										
Y 97	Hanscom AFB, Boston, MA	MIPR	MARCORSYSCOM	Jan-97	Sep-97	1	624526	YES	NO	N/A
N/TYQ JTIDS										
Y 98				Aug-98	Jul-99	6	1045833	VES	NO	N/A
Y 99				Oct-98	Nov-99	6	1045833		NO	N//
1 99				001-96	1100-99	0	1040000	ILS	INO	IN//
REMARKS:	·			•	•			•		•

Exhibit P-20,	Require	amonte Stu	dv	Approriation/Budget	Activity/Serial No:			•	Date:	•	•
	-		-	Procur	ement, Marine Corps /0		ectronic Equipment /	P4440036		February 1998	
P-1 Line Item Nomencla	ture (Include [OODIC for Ammuniti	on Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
		JTIDS				3	Months				Months
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					1	6	6				
Unit Cost					1165.0	1199.3	1092.0				
Total Cost					1165.0	7196.0	6552.0				
Asset Dynamics											
Beginning Asse	et Position					1	1	7			
Deliveries from	1:	FY 1997	Funding		1						
Deliveries from	1:	FY 1998	Funding				6				
Deliveries from	1:	FY 1999	Funding					6			
Deliveries from	Subseque	ent Years Fund	ls								
Other Gains											
Combat Losses	S										
Training Losse	s										
Test Losses											
Other Losses											
Disposals/Retir	rements/At	tritions									
End of Year As	set Positio	on			1	1	7	13			
Inventory Objectiv	e or Curre	nt Authorized A	Allowance								
Inventory Ob	jective	Actua	l Training	Other the	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
14		Expe	enditures	U	sage	(Vehicle	s/Other)	for Replacemer	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

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AN/TYQ-JTIDS		FY98	MC	6	0	6																									6
AN/TYQ-JTIDS	+	FY99	MC	6	0	6																					1				6
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AN/TYQ-JTIDS	2	FY 98	MC	6	0	6											Α											2	2	2	
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	E	xhibit P-40, Bu	udget Item Justific	cation Sheet					February 1998		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mar	rine Corps (1109) / Commu	nications and Electronic	Equipment (4) / 037				RA	DIO SYSTEMS (P44	1445)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
26	6313M / C2275										
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			42.5	26.3	52.9	44.7	28.8	13.3	14.4		222.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			42.5	26.3	52.9	44.7	28.8	13.3	14.4		222.9
Initial Spares			4.0	3.2	1.6	3.6	0.6	0.9			13.9
Total Proc Cost			46.5	29.5	54.5	48.3	29.4	14.2	14.4		236.8
Flyaway U/C											
Wpn Sys Proc U/C						_	_				

This is a roll-up line which contains the following programs:

AN/PSC-5 ENHANCED MANPACK RADIO--FY96 Procurement found in BLI 402700, Manpack Radios & Equipment.

SINCGARS RADIO--FY96 Procurement in BLI 451000, SINCGARS.

GROUND MOBILE FORCES (GMF)

GLOBAL BROADCAST SERVICE (GBS) TERMINAL

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL (SMART-T)

GENERAL PURPOSE RADIO REMOTE (GPRR)

STANDARD JOINT TASK FORCE HEADQUARTERS (SJTF HQ)

ENHANCE POSITIONING LOCATOR REPORTING SYSTEM (EPLRS)

				, ,			
	FY97	FY98	FY 99	FY00	FY01	FY02	FY03
AN/PSC-5	148	18	4,179	0	0	0	0
SINCGARS	40,007	8.484	8,774	5,078	0	0	0
GMF	0	0	8,293	26,676	26,161	0	0
GBS	0	0	0	9,379	200	200	100
SMART-T	0	0	18,100	670	0	0	0
GPRR	0	0	0	0	0	13,110	14,263
STF HQ	2,337	0	2,951	0	0	0	0
EPLRS	0	17,774	10,605	2,927	2,436	0	0
1							

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No Procurement, Marine Corps (1109)		P-1 Line Ite	m Nomenclature:	EMS (P44445)		Weapon System	Type:	Date:	uary 1998
WPN SYST Cost Analysis		Electronic Equipmen			KADIO 0101	LINIO (I 44440)	=>/				uary 1990
Weapon System	ID		 	FY 97			FY 98			FY 99	
Cost Elements	CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
	\vdash		\$000	Each	\$O	\$000	Each	\$O	\$000	Each	\$O
GROUND MOBILE FORCES SMART-T AN/PSC-5 ENHANCED MANPACK RADIC STANDING JOINT TASK FORCE HC ENHANCED POSITION LOCATION RPT SYS	АВВА		40007 148 2337			8484 18 17774			8774 8293 18100 4179 2951 10605		
Total Active Reserves			42492 (42792) (0)			26276 (26276) (0)			52902 (48160) (4742)		

	Exhibi	t P-40, Budget I	tem Justific	ation Sheet		ļ			February 1998		
Appropriation / Budget Activity	//Serial No:				P-1 Item Nomencla	iture:	1				
Procurement, Ma	arine Corps (1109) / Communications	s and Electronic Equipment	(4) / 037				AN/PSC-5 ENH	ANCED MANPACK	RADIO (A44131)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			0.1		4.2						4.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.1		4.2						4.3
Initial Spares											<u> </u>
Total Proc Cost			0.1		4.2						4.3
Flyaway U/C											r
Wpn Sys Proc U/C											1

The AN/PSC-5 is a manportable UHF satellite communications (SATCOM) terminal that will provide long range, single channel, communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) protocol mandated by the Joint Staff. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET Radio Interface (NRI), and SINCGARS.

Prior Years Procurement found in BLI 402700, Manpack Radios & Equipment.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu		y/Serial No: orps (1109) / Comr	munications and		em Nomenclature:	IANPACK RADIO		Weapon System	Type:	Date: Feb	ruary 1998
	15		Electronic	Equipment (4) / 0	37			 I					,
Weapon System Cost Elements	ID CD				TotalCost	FY 97 Qty	UnitCost	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost
COSt Liements	- 05				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/PSC-5 ANCILLARY EQUIF Ancillary Equipmen Mounts Remotes Training					148			18			311 3800 68		
Total					148			18			4179		

E	xhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	February	1998
Appropriation / Budget Activity/Serial No:		Weapon Sys			P-1 Line Item	Nomenclatur	e:		Cordary	1000
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 037	d Electronic					AN/PSC-5 EN	IHANCED MANPAC	K RADIO	(A44131))
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AN/PSC-5 ANCILLARY EQUIP								•		
FY 99										
MOUNTS	NSWD DALHGREN, VA	C/FFP	MCSC	Jun-99	Sep-99	Lot	311	YES	YES	
REMOTES	NSWD DALHGREN, VA	C/FFP	СЕСОМ	Jun-99	Sep-99	Lot	3800	YES	YES	
								í		
REMARKS:	•	•	•	•	•					

	Exhibit I	P-40, Budget I	tem Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mai	rine Corps (1109) / Communications ar	nd Electronic Equipment	(4) / 037					SINCGARS (A4436	3)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			3318								3318
Gross Cost			40.0	8.5	8.8	5.1					62.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			40.0	8.5	8.8	5.1					62.4
Initial Spares			4.0	3.2	1.1	1.1					9.4
Total Proc Cost			44.0	11.7	9.9	6.2					71.8
Flyaway U/C											
Wpn Sys Proc U/C			0.012								

The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS is highly reliable with over 1250 hours mean time between failure and the built-in test equipment eases to workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.

SINCGARS Radios will not be procured beyond FY 1997.

Funding in FY 1998 - FY 2000 reflects costs associated with the fielding and support of SINCGARS to include:

Installation

Special Purpose Test Equipment

Maintenance Support

Field Service Representatives

New Equipment Training Teams

Fielding

Reliability Award Fees

Contracting Support

Prior Years PROCUREMENT IN BLI 451000, SINCGARS.

Exhibit P-5E, Weapon		Appropriation/ Bu	dget Activity	y/Serial No:		P-1 Line Ite	em Nomenclature:		Weapon System	Туре:	Date:	
System Cost Analysis (Extended)		Procurement	, Marine Co Electronic	orps (1109) / Com Equipment (4) / 0	munications and 37		RADIO S	SYSTEMS				ruary 1998
	ID										FY 97	
Cost Elements	CD									TotalCost \$000	Qty Each	UnitCost \$
SINCGARS	А									24633		
Ancillary Equipmen Installation Kits Special Purpose Test Equipmen Maintenance Suppor Field Service Representative New Equipment Training Teams Fielding/Installation by Contractc Reliability Award Fest Warranty Contracting Support Program Support										5485 1590 106 637 1379 3183 1377 119 398		
Pending Transfer For Disaster Relie Pending Offset For Commissary Reprogramming										1100		
TOTAL										40007		

Exhibit P-5E, Weapon System Cost Analysis (Extended)			t, Marine Co	orps (1109) / Comn		P-1 Line Ite	em Nomenclature RADIO	: SYSTEMS		Weapon System	ıype:	Date: Feb	ruary 1998
Cystem Gost Analysis (Extended)	1			Equipment (4) / 03	37	E \(E V 25		ī	EV 2:	
Ocat Floresute	ID CD	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost	TotalCost	FY 00 Qty	UnitCost	TotalCost	FY 01 Qty	UnitCos
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SINCGARS		·		·			·						·
Ancillary Equipmen Installation Kits Special Purpose Test Equipmen Maintenance Suppor Field Service Representative: New Equipment Training Team: Fielding/Installation by Contractc Reliability Award Fe		500 1300 1600 3150 1472		VAR VAR	449 280 1351 1688 3647 1022			232 1093 3398					
Warranty Contracting Support		462			337			355					
TOTAL		8484			8774			5078					

E	xhibit P-5a, Budget Procuremer	nt History a	nd Planning					Specs Da Avail Re Now? Av	February 1	1998
Appropriation / Budget Activity/Serial No:	, <u> </u>	Weapon Syst			P-1 Line Item	Nomenclatur	e:		Column	1000
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 037	l Electronic						SINCGARS (A44	363)		
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost		Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
SINCGARS										
Y 97	ITT, FORT WAYNE, IN	FFP/O	CECOM	Aug-97	Aug-98	3318	7424	YES	N0	Jan-

Exhibit P-20,	Pequiron	nonte St	udv	Approriation/Budget	Activity/Serial No:				Date:						
	•		-	Procurem	ent, Marine Corps (110	9) / Communications a	and Electronic Equipm	ent (4) / 037		February 1998					
P-1 Line Item Nomencla	ture (Include DOI	DIC for Ammur	nition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:						
	RAD	DIO SYSTEMS	(A44363)			11	Months		12 Months						
SINCGARS (A443	363)				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003				
Buy Summary					3318										
Unit Cost					12.1										
Total Cost					40007.0										
Asset Dynamics															
Beginning Asse	et Position				20669	20669	21221	23987	23987	23987	2398				
Deliveries from	n: l	FY 1997	Funding			552	2766								
Deliveries from	n: l	FY 1998	Funding												
Deliveries from		FY 1999	Funding												
Deliveries from	Subsequent	t Years Fur	nds												
Other Gains															
Combat Losses	S														
Training Losse	S														
Test Losses															
Other Losses															
Disposals/Retir	rements/Attrit	tions													
End of Year As	sset Position				20669	21221	23987	23987	23987	23987	2398				
Inventory Objectiv	e or Current	Authorized	l Allowance		23987	23987	23987	23987							
Inventory Ob	ojective	Actu	ual Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:					
23,987		Ex	penditures	Us	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI					
Assets Rqd for		96 thru		96 thru		96 thru				PAA:					
Combat Loads:	I	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI					
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res					
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI					
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv					
Total:										Storage					

R	e	m	a	rk	s:

FY 1998 / FY 1999 BUDGET PRODUCTION SCHEDULE										clature	ľ	SII	NCGA	ARS (A	4436	3)	SINCGARS (A44363)													Date: February 1998							
	М		s	PROC QTY	ACCEP. PRIOR	BAL DUE			1		Fis	cal \		· 96 Cale	nda	r Ye	ar 96	6					Fis		Yea alen		'ear	97			L A						
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COST ELEMENTS			V				Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	R						
SINCGARS	1																												igwdap								
		FY96	M	2953	0	2953						Α															246	246	246	246	1969						
		FY97	М	3318	0	3318																							Α		3318						
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		FY96	Α	12802	0	12802						Α															1064	1064	1064	1064	8546						
		FY97	Α	30487	0	30487																							Α		30487						
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FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCI	HEDUL	E		P-1 I	tem No	omenci	lature			SINC	GAR	S (A44	1363)							Date:				Febru	ary 19	998		
				PROC	ACCEP.	BAL	Fiscal Year 98													Fis	cal `	Year	99					L			
	М		s	QTY	PRIOR	DUE							(Cale	ndaı	r Yea	ar 98	3						Ca	lenc	lar Y	ear :	99			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	M	J	J	Α	S E	0	N	D	J	F	М	Α	М	J	J		S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	0 C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U		E P	E R
SINCGARS	1		v				<u> </u>	V		IN	В	К	K	-	IN		G	Р	_	V	C	IN	Ь	ĸ	K		IN		-		-11
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		FY97	A	30487	0	30487	1004	1004	1004	1007	1004	1004	1004	1004	54		934	2690	2690	2690	2690	2690	2690	2690	2690	2690	2690	2653	\dashv	\dashv	_
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I	Exhibi	it P-40, Budget l	tem Justific	cation Sheet	February 1998										
Appropriation / Budget Activity/	/Serial No:	P-1 Item Nomencla	ture:												
Procurement, Ma	rine Corps (1109) / Communication	GROUND MOBILE FORCES (A44245)													
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:										
26	313M / C2275*		В												
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog				
Proc Qty					5	17	16				38				
Gross Cost					8.3	26.7	26.2				61.2				
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc (P-1)					8.3	26.7	26.2				61.2				
Initial Spares					0.2	0.7	0.4	0.4			1.7				
Total Proc Cost					8.5	27.4	26.6	0.4			62.9				
Flyaway U/C															
Wpn Sys Proc U/C					1.660	1.571	1.638								
The OME OTAR T	(Cupar High Fraguesa)	(OUE) T-: 11 A	di anno and Dane		- · · · ·		III			1 18 48 4\A\\ / A					

The GMF STAR-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components (communications equipment and antenna) will be self contained on a removable pallet and can operate independently of the HMMWV. Each terminal will be interoperable with exitatical satellite terminals and Tri-Tac equipment. These terminals will also be compatible with the other services. Due to its configuration on one HMMWV, this terminal will provide increased mobility with roll-on, roll-off capability.

*Army MS I/III-Jul 94 DT-Oct 97 OT-Feb 98 MC MS III-May 98

	Appropriation/ B	udget Activit	//Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
	Procuremen	nt, Marine Co Electronic	orps (1109) / Com Equipment (4) / 0	munications and 37	G	ROUND MOBILE	FORCES (A4424	5)			Feb	ruary 1998
ID					FY 97			FY 98			FY 99	
CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
										8000	5	1600000
										223 50 20		
										8293 (3551) (4742)		
		Procuremen	Procurement, Marine Co Electronic	Electronic Equipment (4) / 0	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037 ID CD TotalCost	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037 FY 97	Procurement, Marine Corps (1109) / Communications and GROUND MOBILE	Procurement, Marine Corps (1109) / Communications and GROUND MOBILE FORCES (A4424 Electronic Equipment (4) / 037 FY 97 CD TotalCost Qty UnitCost TotalCost TotalCost Cost Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037 GROUND MOBILE FORCES (A44245)	Procurement, Marine Corps (1109) / Communications and GROUND MOBILE FORCES (A44245)	Procurement, Marine Corps, (1 109) / Communications and Electronic Equipment (4) / 037	Procurement, Marine Corps (1199) / Communications and Electronic Equipment (4) / 037 FY 97 FY 98 FY 99	

								Date:		
Exhibit	P-5a, Budget Procurement I								February ¹	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	re:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						GROL	IND MOBILE FORC	ES (A442	45)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		Method and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
GMF		and Type			Delivery	Each	Φ	NOW?	Avaii	
FY 99	Raytheon	C/FFP	СЕСОМ	Jan-99	Jan-00	5	1600000	Yes	No	N/A
1 1 33	Rayancon	0/111	OLOGINI	Jan 33	Jan 00		1000000	103	140	14//1
REMARKS:	<u> </u>	1	ı			I.	I.			

Exhibit P-20, Requi	rements Study	Approriation/Budge	t Activity/Serial No:				Date:		
		Procurer		109) / Communications	and Electronic Equipm	ent (4) / 037		February 1998	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
RADIO SY	YSTEMS (A44245)	GMF		;	3 Months			12	Months
GROUND MOBILE FORCE	ES (A44245)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					5	17	16		
Unit Cost					1658.6	1569.2	1635.1		
Total Cost					8293.0	26676.0	26161.0		
Asset Dynamics									
Beginning Asset Positio	on						5	22	
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					5			
Deliveries from Subsequence	uent Years Funds						17	16	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posit	tion					5	22	38	
Inventory Objective or Curr	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dis	posals	Vehicles Eligible	9	Aircraft:	
38	Expenditures	U	sage	(Vehicl	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX]		Inactive Inv	
Total:								Storage	

Remari	ks:
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FY 98 / 99 BUDGET PR	ODUC	CTION SO	CHED	ULE			P-1 I	tem No	omeno	clature		DUND	МОВІ	ILE FC	RCE	S (A4	4245)						Date	r:			Febr	uary 1	998		
	М		S	PROC QTY	ACCEP. PRIOR	BAL DUE					Fis	cal `		r 99 Cale	nda	r Ye	ar 99	9				I	Fis		Yea alen		Year	00	_		L A
COST ELEMENTS	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	T E R
OGGI EEEIMEITIG			V				H	V	C	N	В	R	R	Y	N	_	G	Р	H	V	C	N	В	R	R	Y	N	╚	G	Р	K
GMF	1	FY 99	МС	5	0	5				Α												1	2	2							
GMF	1	FY 99	Α	11	0	11				Α												1	1	1	1	1	1	1	1	1	2
GMF	1	FY 99	JCS	2	0	2				Α												1	1								
GMF *Reserves	1	FY 99	MC	3	0	3				Α													2	1							
GMF	1	FY 00	MC	17	0	17																A							\vdash		17
GMF	1	FY 00	A	16	0	16													t			А									16
GMF	1	FY 00	JCS	2	0	2																Α			l						2
GMF *Reserves	1	FY 00	MC	2	0	2																Α									2
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	Exhib	oit P-40, Budget I	tem Justific	cation Sheet					February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:	•				
Procurement, Mai	ine Corps (1109) / Communication	ons and Electronic Equipment	(4) / 037				GLOBAL BROAD	CAST SERVICE TE	RMINAL (A44359)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost						9.4	0.2	0.2	0.1		9.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)						9.4	0.2	0.2	0.1		9.9
Initial Spares							0.0				0.0
Total Proc Cost						9.4	0.2	0.2	0.1		9.9
Flyaway U/C											
Wpn Sys Proc U/C						0.018					
	NALIS A SMALL L	ICUTWEIGHT M			COND DECI		CATELLITE	COMMUNIC	CATIONIC (C		DMINIAL

THE GBS TERMINAL IS A SMALL, LIGHTWEIGHT, MULTI-MEGABIT-PER-SECOND RECEIVE-ONLY SATELLITE COMMUNICATIONS (SATCOM) TERMINAL. THE GBS TERMINAL WILL RECEIVE AND DISSEMINATE GLOBAL BROADCASTS OF STANDARD PRODUCTS SUCH AS IMAGERY, INTELLIGENCE INFORMATION, WEATHER, THEATER MESSAGE TRAFFIC, JOINT AND SERVICE-UNIQUE NEWS, VIDEO AND MORALE WELFARE & RECREATION (MWR) PROGRAMMING. THE TERMINAL WILL CONSIST OF A SATCOM RECEIVER, CABLING AND AN 18" SATCOM ANTENNA. THIS IS A JOINT USAF LED PROGRAM.

Note: Spares amount in FY01 is 18K.

	Exhibit	t P-40, Budget l	Item Justifi	cation Shee	t		Date:		February 1998		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	•				
Procurement, Mari	ine Corps (1109) / Communications	and Electronic Equipment	.t (4) / 037					SMART-T (A44130))		
Program Elements for Code B It	ems:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					24	1					25
Gross Cost					18.1	0.7					18.8
Less PY Adv Proc					!						
Plus CY Adv Proc					!						
Net Proc (P-1)					18.1	0.7					18.8
Initial Spares						1.5					1.5
Total Proc Cost					18.1	2.2					20.3
Flyaway U/C											
Wpn Sys Proc U/C					0.754	0.670					

The MILSTAR SMART-T is a palletized, transportable, heavy HMMMV-mounted tactical satellite communications terminal that operates with MILSTAR compatible communications payloads. SMART-T transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications. SMART-T provides multi-channel medium and low data rate communications simultaneously. The SMART-T will provide the Marine Corps allignment with the Joint Staff MILSATCOM architecture in the EHF satellite frequency spectrum and provide MAGFT elements with multi-channel internal and external, long haul, critical command and control communications. The SMART-T will meet the Joint requirement for a data/voice satellite communications system that will provide secure, mobile, worldwide, anti-jam, low probability of intercept tactical communications not subject to terrain masking or distance limitations.

Exhibit P-5, Weapon		Appropriation/ Bu	udget Activit	//Serial No:		P-1 Line Ite	m Nomenclature:	:		Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co Electronic	orps (1109) / Com Equipment (4) / 0	munications and 37		SMART-1	T (A44130)				Febr	uary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
							-						
											47070	0.4	74400
SMART-T TERMINAL											17876	24	744833
FACTORY TRAINING											75		
ENGINEERING SUPPORT											49		
INTEGRATED LOGISTICS SUPPORT											80		
TRAVEL											20		
TOTAL													
IUIAL											18100		

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Exhibit	P-5a, Budget Procurement	History a	nd Planning						February 1	998
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	re:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037							SMART-T (A441	30)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
SMART-T TERMINAL		una 19po			20	Luon	Ť	110111	7 traii	
FY 99	Raytheon Electronic System	FFP	CECOM	Oct-98	Oct-00	24	744833	YES	YES	Jan-96
DEMARKS.										
REMARKS:										

Exhibit P-20, Requ	iromente Study	Approriation/Budget	t Activity/Serial No:			•	Date:		
		Procuren		109) / Communications	and Electronic Equipm	ent (4) / 037		February 1998	
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44130)	•			0 Months			24	Months
SMART-T (A44130)		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					24	1			
Unit Cost					754.2	670.0			
Total Cost					18100.0	670.0			
Asset Dynamics									
Beginning Asset Position	on							24	2
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding						24		
Deliveries from Subsec	quent Years Funds							1	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	/Attritions								
End of Year Asset Pos	ition						24	25	2
Inventory Objective or Cur	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dis	posals	Vehicles Eligible	е	Aircraft:	
25	Expenditures	U	sage	(Vehicl	es/Other)	for Replacemer	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	·
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remarks:

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FY 98 / 99 BUDGET PROI	DUC	TION SC	HED	ULE			P-1 F	tem No	meno	clature				T-T (A	44130))							Date				Febru	uary 1	998		
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		FY97	A	23	23																								ightharpoonup		
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М		PF	RODUCTI	ON RATES		REACHED	М	FR						ADN	ΛΙΝ LE	AD T	IME			MFR			TOTA	L		EMAR					
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	Exhibit	P-40, Budget I	tem Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity					P-1 Item Nomencla	iture:					
Procurement, Ma	arine Corps (1109) / Communications a	and Electronic Equipment	(4) / 037				L	ANT STF HQ (A446	32)		
Program Elements for Code B	3 Items:		Code:	Other Related Prog	ram Elements:						
			А								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			2.3		3.0						5.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.3		3.0						5.3
Initial Spares											
Total Proc Cost			2.3		3.0						5.3
Flyaway U/C											
Wpn Sys Proc U/C											
system utilizing n	the Headquarters elem ninimum equipment typ ingle Channel LOS; voi	es. It provides	the STF with	n Multichanne	el SatCom; S	Single Chanr	nel Tactical S				

Exhibit P-5, Weapon		Appropriation/ B	udget Activit	ty/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	nt, Marine C Electronic	orps (1109) / Com Equipment (4) / 0	munications and 037		LANT STF H	HQ (A44632)				Febr	uary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTE LIO De die Content													
STF HQ Radio Systems					1812	28	VAR				2726	20	VAR
STF HQ Switching / Techcon Systems					525	5	VAR				225	2	VAR
Total					2337						2951		

Weapon Syste Contract Method and Type FFP	Location of PCO Quantico, VA	Award Date Sep-97	P-1 Line Item Date of First Delivery		e: LANT STF HQ (A44 Unit Cost \$		Date Revsn	RFP Issu
Contract Method and Type	Location of PCO Quantico, VA		Date of First	QTY	LANT STF HQ (A44 Unit Cost	Specs Avail	Revsn	
Method and Type	Quantico, VA					Avail	Revsn	
FFP		Sep-97	Delivery	Each	\$	Now2		4
		Sep-97				INOW:	Avail	
		Sep-97						1
FFP			Dec-97 Apr-98	28	VAR	Yes	Yes	May-
	Quantico, VA	Jan-99	Apr-99	20	VAR	Yes	Yes	Nov-
FFP	Quantico, VA	Sep-97	Dec-97	5	VAR	Yes	Yes	May-
FFP	Quantico, VA	Jan-99	Apr-99	2	VAR	Yes	Yes	Nov-
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REMARKS:

STF HQ Radio Systems include: INMARSAT Systems (Type A & Type B/64 Kbps), SABER Radios, AN/GRC-239 (TSSR) Systems, MMT 1500 Systems, AN/TRC-170(V3) Systems, and Tri-Band Sat Terminal.

STF HQ Switching/Techcon Systems include: IDNX (20/24) Systems, Line Termination Units (LTU), CX-11230 Cables, and SMU's.

Exhibit P-20	Requir	aments Stuc	lv	Approriation/Budget	Activity/Serial No:				Date:		•
	-		-	Procurem		9)) / Communications	and Electronic Equipn	nent (4) / 037		February 1998	
P-1 Line Item Nomencla	ature (Include I	DODIC for Ammunitio	on Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	F	RADIO SYSTEMS (A	44632)			11	Months			3	Months
STF HQ RADIO S	SYSTEMS	(A44632)			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					28		20				
Unit Cost					64.7		136.3				
Total Cost					1812.0		2726.0				
Asset Dynamics											
Beginning Ass	et Position						28				
Deliveries from	n:	FY 1997 F	unding			28					
Deliveries from	n:	FY 1998 F	unding								
Deliveries from	n:	FY 1999 F	unding				20				
Deliveries from	n Subsequ	ent Years Funds	3								
Other Gains											
Combat Losse	S										
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/A	ttritions									
End of Year As	sset Position	on				28	48				
Inventory Objectiv	ve or Curre	nt Authorized A	llowance								
Inventory Ob	ojective	Actual	Training	Other that	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	_
73		Expe	nditures	Us	sage	(Vehicle	s/Other)	for Replaceme	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX	· · · · · · · · · · · · · · · · · · ·	FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Remar	ks	:
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Exhibit P-20,	Require	ments Stud	lv	Approriation/Budget	Activity/Serial No:				Date:		
	-		-			tions and Electronic E	quipment (4) / 037			February 1998	
P-1 Line Item Nomenclatu	ure (Include D	OODIC for Ammunitio	n Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	R	ADIO SYSTEMS (A	14632)			. 11	Months			3	Months
STF HQ Switching	/ Techcor	n Systems			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					5		2				
Unit Cost					105.0		112.5				
Total Cost					525.0		225.0				
Asset Dynamics											
Beginning Asse	t Position						5				
Deliveries from:		FY 1997 F	unding			5					
Deliveries from:	<u> </u>	FY 1998 F	unding								
Deliveries from:		FY 1999 F	unding				2				
Deliveries from	Subseque	ent Years Funds	3								
Other Gains											
Combat Losses	3										
Training Losses	3										
Test Losses											
Other Losses											
Disposals/Retire	ements/At	tritions									
End of Year Ass	set Positic	on				5	7				
Inventory Objective	e or Curre	nt Authorized A	llowance								
Inventory Obj	jective	Actual	Training	Other th	an Training	Disp	osals	Vehicles Eligib	le	Aircraft:	
16		Expe	nditures	U:	sage	(Vehicle	es/Other)	for Replaceme	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX			·	Inactive Inv	
Total:										Storage	

Remar	ks	:
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FY 98 / 99 BUDGET PRO	DUC	CTION SC	CHED	ULE			P-1 I	tem No	omeno	clature):	LAI	NT ST	F HQ	(A44	632)							Date	ı:			Febr	uary 1	1998		
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STF HQ Radio Systems																			Ì												
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FY 98 / 99 BUDGET PRO	ouc	CTION SC	HED	ULE			P-1 I	tem No	omeno	clature	i.	LAN	IT ST	F HQ	(A446	32)							Date):			Febr	uary 1	998		
				PROC	ACCEP.	BAL					Fis	cal \	Year	- 99									Fi		Yea						L
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STF HQ Radio Systems			•						Ŭ					·			Ŭ								Ì				Ŭ		
,	1	FY 97	MC	28	28																										
	1	FY 99	MC	20	0	20				Α			20																		
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STF HQ Switching / Techcon Systems	_	E)/ 07	140																						-						
	1	FY 97	MC	5	5														-			-			-						
	1	FY 99	MC	2	0	2				A			2									-			-						
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							Date:				
	Exhibit P-	40, Budget Item	Justific	ation Sheet	:				February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and E	Electronic Equipment (4) / 03	37			EN	NHANCE POSITION	IING LOCATOR RE	PORTING SY (A446	633)	
Program Elements for Code B	Items:	Code:		Other Related Pro	gram Elements:						
26	6313M / C2275		Α								
	Prior Years	F'	Y 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost				17.8	10.6	2.9	2.4				33.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				17.8	10.6	2.9	2.4				33.7
Initial Spares					0.3	0.3	0.2				0.8
Total Proc Cost				17.8	10.9	3.2	2.6				34.5
Flyaway U/C											
Wpn Sys Proc U/C											

The Enhanced Position Location Reporting System (EPLRS) will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. EPLRS provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems. The system will be fielded to infantry, artillery, light armored vehicle (LAV), tank, and mobile command units. EPLRS will be the primary entry node for sensor collected information from forward deployed units for transmission to higher headquarters; this type of connectivity is not currently available. The EPLRS system is being fielded to the U.S. Army as their tactical data distribution network, thus, data connectivity between Army and Marine Forces will be made easier when operating in a Joint environment. The U.S. Navy is employing EPLRS as part of it's KSG-1 program. This functionality will support Marine Forces during amphibious operations. The Air National Guard is employing EPLRS in all their Block III F-16's for data and situational awareness distribution.

The primary EPLRS system components are a Net Control Station (NCS) and Enhanced PLRS User Units (EPUU). The NCS provides control, timing, monitor, and cryptographic variable generation and update for the EPLRS network.

US Army Milestone III: Feb 97 US Army contract award: Dec 97

Exhibit P-5, Weapon WPN SYST Cost Analysis Procurement Marine Corps (109) / Communications and Electronic Equipment (4) / 037 FV 98 FV 98	Type:	Date:	
D FY 97 FY 98 TotalCost Qty UnitCost TotalCost Qty UnitCost SOOO Each \$ SOOO		Feb	ruary 1998
Cost Elements CD TotalCost Qty UnitCost TotalCost Qty UnitCost \$000 Each \$ EPLRS EPUU'S 17774 672 26450 EPLRS Net Control Statior Program/Contractor Suppor New Equipment Training Manuals and Instructions Integrated Logistics Suppor		FY 99	
EPLRS EPUU'S EPLRS Net Control Statior Program/Contractor Suppor New Equipment Training Manuals and Instructions Integrated Logistics Suppor	TotalCost	Qty	UnitCost
EPLRS Net Control Statior Program/Contractor Suppor New Equipment Training Manuals and Instructions Integrated Logistics Suppor	\$000	Each	\$
Program/Contractor Suppor New Equipment Training Manuals and Instructions Integrated Logistics Suppor	1		
New Equipment Training Manuals and Instructions Integrated Logistics Suppor	8800	16	550000
Manuals and Instructions Integrated Logistics Suppor	425		
Integrated Logistics Suppor	100		
	480		
Special Purpose Test Equipmen	250		
	550		
Total 17774	10605		
1774	10000		

								Date:		
Ext	nibit P-5a, Budget Procuremer								February 1	998
Appropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclatur	re:			
Procurement, Marine Corps (1109) / Communications and Ele Equipment (4) / 037	ectronic				ENHA	NCE POSITION	ONING LOCATOR F	REPORTI	NG SY (A4	4633)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$	Now?	Revsn Avail	Date
EPLRS EPUU's		and Type		-	Delivery	Edon	Ψ	NOW.	7 (Vali	<u> </u>
FY 98	Hughes Defense Communications (Mississippi & California)	FFP	CECOM	Dec-97	Dec-99	672	26450	Y	N	
EPLRS Net Control Station FY 99		FFP	CECOM	Jan-99	Nov-99	16	550000	Y	N	
REMARKS:										

Exhibit P-20	Paguiron	nonte Stu	dv	Approriation/Budget	Activity/Serial No:				Date:		
			-	(Procurer	nent, Marine Corps (1109) / Communications	and Electronic Equip	ment (4) / 037		February 1998	
P-1 Line Item Nomencla	ature (Include DOI	DIC for Ammuniti	ion Items):		Admin Leadtime (a	after Oct 1):			Prod Leadtime:		
	RAD	DIO SYSTEMS (A	A44633)			3	Months			. 18	Months
EPLRS EPUU's					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						672					
Unit Cost						26.4					
Total Cost						17774.0					
Asset Dynamics											
Beginning Asse	et Position								560		
Deliveries from	n:	FY 1997	Funding								
Deliveries from	n: I	FY 1998	Funding					560	112		
Deliveries from	n:	FY 1999	Funding								
Deliveries from	n Subsequent	t Years Fund	ls								
Other Gains											
Combat Losse											
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/Attri	tions									
End of Year As	sset Position							560	672		
Inventory Objectiv	ve or Current	Authorized A	Allowance								
Inventory Ob	ojective	Actua	al Training	Other that	an Training	Disp	osals	Vehicles Eligible	е	Aircraft:	
756		Expe	enditures	U	sage	(Vehicle	s/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	!	96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX	·	FY XXXX		FY XXXX	·	FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Remarks:

The inventory objective diffierence of 84 will be procured with the Marine Corps Reserve's National Guard and Reserve Equipment Appropriation (NGREA).

Exhibit P-20, R	Paguiramants	Study	Approriation/Budget	Activity/Serial No:				Date:		
	=	=	(Procurer		1109) / Communications	and Electronic Equipr	nent (4) / 037		February 1998	
P-1 Line Item Nomenclature	e (Include DODIC for Ar	mmunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
	RADIO SYST	EMS (A44633)				3 Months			18	Months
EPLRS Net Control	Stations			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						16				
Unit Cost						550.0				
Total Cost						8800.0				
Asset Dynamics										
Beginning Asset	Position									
Deliveries from:	FY 199	7 Funding								
Deliveries from:	FY 199	8 Funding								
Deliveries from:	FY 199	9 Funding					16			
Deliveries from S	Subsequent Years	Funds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirer	ments/Attritions									
End of Year Asse	et Position						16			
Inventory Objective	or Current Author	ized Allowance								
Inventory Object	ctive	Actual Training	Other the	an Training	Disp	oosals	Vehicles Eligible	e	Aircraft:	
18		Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXX	ΚX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XX	ΚX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XX	ΚX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XX	ΚX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:					<u> </u>				Storage	

Remarks: Two Net Control Stations Purchased in FY 98 in 26313M / C2275.

FY 98 / 99 BUDGET I	PRODUC	CTION SO	CHEDI	JLE			P-1 I	tem No E			POSIT	IONIN	G LO	CATO	R RE	PORT	ING S	SY (A4	14633)				Date:				Febru	ary 19	98		
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FY 98 / 99 BUDGET PROD	UCI	TION SC	HEDI	JLE			P-1 II	em No				IONIN	NG LO	CATC	R RE	PORT	ING S	Y (A4	14633))			Date:				Febru	ary 19	198		
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	Exhibit P-	40, Budget I	tem Justific	ation Sheet					February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and	Electronic Equipment	(4) / 038			CC	MMUNICATIONS S	SWITCHING AND CO	ONTROL SYS (P44	446)	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			14.0	43.6	75.8	79.6	14.4				227.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			14.0	43.6	75.8	79.6	14.4				227.4
Initial Spares			0.7	2.0	0.9	3.5	2.0	3.0			12.1
Total Proc Cost			14.7	45.6	76.7	83.1	16.4	3.0			239.5
Flyaway U/C											
Wpn Sys Proc U/C											
This is a roll-up li	ne which contains the fol	lowing progra	ms								
UNIT LEVEL CIRCUI	IT SWITCH										
DIGITAL TECH CON	TROL										

TACTICAL DATA NETWORK

DEFENSE MESSAGE SYSTEM

Exhibit P-5, Weapon		Appropriation/ Bud	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis				rps (1109) / Comr		COMMUN		CHING AND CONT	TROL SYS			Feb	ruary 1998
	1		Electronic I	Equipment (4) / 03	38	5 1/ 0=	(P44	1446)	E V 00			E)/ 05	
Weapon System	ID CD				T-1-101	FY 97	11-101	T-1-101	FY 98	11-101	T-1-101	FY 99	11-101
Cost Elements	CD				TotalCost \$000	Qty Each	UnitCost \$000	TotalCost \$000	Qty Each	UnitCost \$000	TotalCost \$000	Qty Each	UnitCost \$000
UNIT LEVEL CIRCUIT SWITCH (ULCS)	Α				9798		\$000	\$000	Eacii	\$000	2943	Lacii	\$000
TACTICAL DATA NETWORK (TDN)	В				0.00			24964			49817		
DIGITAL TECHNICAL CONTROL (DTC)	В							11328			18506		
DEFENSE MESSAGE SYSTEM (DMS)					4244			7271			4515		
TOTAL					14042			43563			75781		
Active Total					11842			43563			62867		
Reserve Tota					2200			0			12914		

•					•	Date:		•		
	Exhibit P-	40, Budget Item Just	fication Shee	t				February 1998		
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	ature:	•				
Procurement, Ma	rine Corps (1109) / Communications and E	lectronic Equipment (4) / 038				UNIT LEV	EL CIRCUIT SWITC	H (A44106)		
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
				1	1	1		1	1	
	Prior Years	FY 199	7 FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost		9.8		2.9						12.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		9.8		2.9						12.7
Initial Spares		0.7	2.0	0.9	0.3					4.0
Total Proc Cost		9.8	2.0	3.8	0.3					16.7
Flyaway U/C										
Wpn Sys Proc U/C										

The Unit Level Circuit Switch (ULCS) System is a family of Tri-Service Tactical Communications digital voice and data equipment consisting of AN/TTC-42 (280 Line), and various digital telephones and multiplexers that provide an automatic telephone capability to the field. The ULCS system replaced the analog switching and terminal equipment including AN/TTC-38 and SB-3082. The ULCS Product Improvement Program (ULCS PIP) will begin in FY-97. The ULCS PIP adds a variety of interoperability enhancements that improvement usefulness and flexibility when employed in joint networks. These improvements include a line termination interface with the secure terminal unit (STU-III), and additional AUTOVON capability. The Dial Central Office (DCO) will provide commercial access capability to the SB-3865.

MOD INSTALLING AGENT INSTALLATION END ITEM FACILITY

ULCS PIP FIELD BEGIN: FEB 00 AN/TTC-42, AUTOMATIC CENTRAL TELEPHONE OFFICE

END: FEB 01

FIELD BEGIN: FEB 00 SB-3865 AUTOMATIC TELEPHONE SWITCHBOARD

END: FEB 01

MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Telephone Central & SB-3865 Tactical Switchboard

MODIFICATION TITLE FY 97 FY 98 FY 99

ULCS PIP

AN/TTC-42 MOD KIT 5.440

\$B-3865 MOD KIT 4.358 2.943 TOTAL \$9.798 \$2.943

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ E Procureme	nt, Marine C	ry/Serial No: orps (1109) / Com Equipment (4) / 0	munications and		m Nomenclature: T LEVEL CIRCUI	T SWITCH (A441	06)	Weapon System	Туре:	Date: Febr	uary 1998
Weapon System	ID					FY 97			FY 98		1	FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Goot Elemente					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ULCS PIP													
AN/TTC-42 MOD KIT					5328	61	87344						
SB-3865 MOD KIT					4234	425	9962				2943	425	700
NONRECURRING COSTS Technical Data Supporting Equipmen Engineering Travel					120 26 75 15								
TOTAL					9798						2943		
ACTIVE RESERVES					7598 2200						2943		

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038 WBS Cost Elements: Contractor and Location Contract Method and Type AN/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Specs Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Specs Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Specs Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Specs Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Specs Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106) Bate Avail Revsn Now? Avail R	Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 03E WBS Cost Elements: Contractor and Location Contract Method and Type ANAITTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, F	P-1 Line Item Nomenclature: UNIT LEVEL CIRCUIT SWITCH (A44106)
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 03E WBS Cost Elements: Contractor and Location Contract Method and Type CKC INDUSTRIES, TAMPA, FLA C/FFP CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 Location of PCO Award Date Date of First QTY Unit Cost Avail Revsn Now? Avail AN/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 August Circuit SWITCH (A44106) Date of First QTY Unit Cost Avail Revsn Now? Avail AN/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 August Circuit SWITCH (A44106) Date of First QTY Unit Cost Avail Revsn Now? Avail AN/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 August Circuit SWITCH (A44106) Date of First QTY Unit Cost Avail Revsn Now? Avail Revsn Now? Avail An/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 August Circuit SWITCH (A44106) Date of First QTY Unit Cost Avail Revsn Now? Avail Revsn Now? Avail Now? Avail An/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 August Circuit SWITCH (A44106) Date of First QTY Unit Cost Avail Revsn Now? Avail Revsn Now? Avail	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 03E WBS Cost Elements: Contractor and Location Contract Method and Type CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO Dec-97 Nov-99 425 9962 YES NO	Location of PCO Award Date Date of First Delivery QTY Each Unit Cost Avail Now? Specs Avail Revsn Avail Now? Date Revsn Avail Avail YSCOM Dec-97 Nov-99 61 87344 YES NO Aug-9 YSCOM Dec-97 Nov-99 425 9962 YES NO Aug-9
WBS Cost Elements: Contract Method and Type AN/TTC-42 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRIES, TAMPA, FLA CKC INDUSTRI	WBS Cost Elements: Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method and Type Contract Method And Type	Award Date Date of First QTY Unit Cost Avail Revsn Now? Avail Value Now? Avail
AN/TTC-42 MODIFICATION KIT CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 61 87344 YES NO SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	AN/TTC-42 MODIFICATION KIT CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 61 87344 YES NO SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	VSCOM Dec-97 Nov-99 61 87344 YES NO Aug-9 YSCOM Dec-97 Nov-99 425 9962 YES NO Aug-9
AN/TTC-42 MODIFICATION KIT CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 61 87344 YES NO SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	AN/TTC-42 MODIFICATION KIT CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 61 87344 YES NO SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	YSCOM Dec-97 Nov-99 61 87344 YES NO Aug-9 YSCOM Dec-97 Nov-99 425 9962 YES NO Aug-9
FY-97 SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA	FY-97 SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	YSCOM Dec-97 Nov-99 425 9962 YES NO Aug-9
FY-97 SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA	FY-97 SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	YSCOM Dec-97 Nov-99 425 9962 YES NO Aug-
SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	SB-3865 MODIFICATION KIT FY-97 CKC INDUSTRIES, TAMPA, FLA	YSCOM
FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	YSCOM
FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	FY-97 CKC INDUSTRIES, TAMPA, FLA C/FFP MCSYSCOM Dec-97 Nov-99 425 9962 YES NO	YSCOM
FY-99 UNKNOWN C/FFP MCSYSCOM Feb-99 Nov-00 425 7000 YES NO	TY-99 UNKNOWN C/FFP MCSYSCOM Feb-99 Nov-00 425 7000 YES NO	YSCOM Feb-99 Nov-00 425 7000 YES NO Jan-

						D	ate				
	Exhibit	P-40C Budget I	tem Justifica	tion Sheet					February 1998		
Appropriation / Budget Ac	ctivity/Serial No.			P	-1 Item Nomenclature						
Procureme	ent, Marine Corps (1109) / Communications a	nd Electronic Equipment (4	1) / 038				UNIT LEVEL CIRCUIT SWITCH (A44106)				
Program Elements for Co	de B Items	Code	Other Related Program	m Elements							
Description		Fiscal Years									
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
ULCS (AUTOM	IATIC CENTRAL TELEPHO	ONE OFFICE)									
N-0001	EFFICIENCY		5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
ULCS (AUTO C	CENTRAL TELEP SWITCH	BD/DIAL CENT	RAL OFFICE)								
N-0002	EFFICIENCY		4.4	0.0	2.9	0.0	0.0	0.0	0.0	0.0	7.3
	k.										
Totals			9.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	12.7

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INDIVIDUAL MODIFICATION February 1998 Date MODIFICATION TITLE: ULCS (AUTOMATIC CENTRAL OFFICE TELEPHONE) N-0001 MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Automatic Central Office Telephone DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings. Installation Schedule: Pr Yr FY 2000 FY 2001 FY 1997 FY 1998 FY 1999 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTAT Field Installed ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 22 Months Contract Dates: FY 1997 Dec 97 FY 1998 Enter Date FY 1999 **Enter Date** Delivery Date: FY 1997 Nov 99 FY 1998 Enter Date FY 1999 **Enter Date**

					INI	DIVIDUA	AL MOE	DIFICAT	ION							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		Ul	LCS (A	NOTUA	//ATIC	CENT	ΓRAL	OFFIC	E TEL	EPHO	NE) N	I-0001								
FINANCIAL PLAN: (\$ in Millions	:)																			
		1996	1																	
		d Prior		1997		1998		1999		2000		2001		2002		2003		С	TO	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			61																61	
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				5.328																5.328
ECO																				
ECO																				
Other				0.013																0.013
Data				0.013																0.013
Interim Contractor Support				0.034																0.034
intenin Contractor Support				0.043																0.043
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits																				
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
 FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				5.440																5.440

MODIFICATION TITLE: UNIT LEVEL CIRCUIT SWITCH (TELEPHONE SWITCHBOARD) N-0002 MODELS OF SYSTEMS AFFECTED: SB-3865 Automatic Telephone Switchboard/Dial Central Office DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies, a new revision of software and the *Dial Central Office (DCO) which will provide commercial access capability to the SB-3865. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings. Installation Schedule: Pr Yr FY 2000 FY 2001 FY 1997 FY 1998 FY 1999 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATIN: Field Installed ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 22 Months Contract Dates: FY 1997 **DEC 97** FY 1998 Enter Date FY 1999 **Enter Date** *FEB 99 Delivery Date: FY 1997 **NOV 99** FY 1998 Enter Date FY 1999 **Enter Date** *NOV 00

INDIVIDUAL MODIFICATION

Date

February 1998

					INI	DIVIDUA	AL MOD	IFICATI	ON							Date		Februa	ary 1998	
MODIFICATION TITLE (Cont):		Ul	NIT LE	VEL C	IRCU	IIT SW	TCH	(TELE	PHO	NE SW	/ITCH	BOAR	D) N-0	0002						
FINANCIAL PLAN: (\$ in Millions																				
		1996															_			
	Qty	d Prior	Qty	1997 \$	FY Qty	1998	FY Qty	1999	Qty	2000	Qty	2001	Qty	2002	Qty	2003	Qty	*C	TO ¹ Qty	TAL \$
RDT&E	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ
PROCUREMENT																				
Kit Quantity			425				425												850	
Inst Kits, Nonrecurring			120				120												000	
et rate, reciniodaning																				
Equipment, Nonrecurring				4.234																4.234
Dial Central Office								2.943												2.943
Other				0.015																0.015
Data				0.059																0.059
Interim Contractor Support				0.050																0.050
la stallation of Handres																				
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits																				
FY 1997 Eqpt Kits FY 1998 Eqpt Kits																				
FY 1998 Eqpt Kits FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				4.358				2.943												7.301

							Date:				
	Exhibit P-	40, Budget Item	Justific	ation Sheet					February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Communications and E	Electronic Equipment (4) / 03	38				TACTICAL D	ATA NETWORK (T	DN) (A44239)		
Program Elements for Code B	Items:	Code):	Other Related Prog	ram Elements:						
2	6313M C2276		В								
	Prior Years	F	Y 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost				25.0	49.8	37.7	11.1				123.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				25.0	49.8	37.7	11.1	0.0			123.6
Initial Spares						1.2	0.7	1.0			2.9
Total Proc Cost				25.0	49.8	38.9	11.8	1.0			126.5
Flyaway U/C											<u>-</u>
Wpn Sys Proc U/C											

The Tactical Data Network (TDN) will provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. The TDN consists of two major components: the TDN Gateway and the TDN Server. Both will provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radii network. In addition, the TDN Gateways will be in an S-788 shelter, mounted on a H-HMMWV for mobility. It will be fielded to the Marine Expeditionary Forces (MEF) headquarters and to the Major Subordinate Commands (MSC's). The TDN Server will be in transit cases and will be man portable. It will be fielded down to the battalion/squadron level.

MS I/II-Apr 95 OT-Sep 97 MS III-Feb 98

OT completed at Camp Pendleton 26 Sep 97. MS III scheduled for Feb 98.

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning						February 1	998
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclatur	e:			-
Procurement, Marine Corps (1109) / Communication Equipment (4) / 038	ions and Electronic					TACTICA	L DATA NETWORK			
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
TDN GATEWAY/SHELTER										
FY 98	UNKNOWN	C/FFP	MCSYSCOM	Jun-98	Jun-99	6	1163833			
FY 99	UNKNOWN	C/FFP	MCSYSCOM	Oct-98	Sep-99	11	1189455	YES	AUG97	
TDN SERVER										
Y 98	UNKNOWN	C/FFP/O	MCSYSCOM	Jun-98	Jun-99	116	138224	YES	AUG97	
FY 99	UNKNOWN		MCSYSCOM	Oct-98		241	141266		AUG97	
REMARKS:										

Exhibit P-20,	Require	mente Studi	,	Approriation/Budge	Activity/Serial No:			•	Date:	•	
	-	_		Procui		/Communications and El	ectronic Equipment /	P4444038		February 1998	
P-1 Line Item Nomenclatu	ire (Include D	ODIC for Ammunition	Items):		Admin Leadtime (at	ter Oct 1):			Prod Leadtime:		
		TDN A2535				5	Months			12	Months
TDN Gateway / Sh	elter				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						6	11	8			
Unit Cost						11638.3	11894.5	1417.5			
Total Cost						6982.9	1308.4	11340.0			
Asset Dynamics											
Beginning Asset	t Position							5			
Deliveries from:		FY 1997 Fu	nding								
Deliveries from:		FY 1998 Fu	nding				4	2			
Deliveries from:		FY 1999 Fu	nding				1	10			
Deliveries from	Subseque	ent Years Funds						8			
Other Gains											
Combat Losses											
Training Losses	i										
Test Losses											
Other Losses											
Disposals/Retire	ements/At	tritions									
End of Year Ass	set Positio	n					5	25			
Inventory Objective	or Currer	nt Authorized Allo	owance								
Inventory Obj	ective	Actual 7	Γraining	Other th	an Training	Dispo	osals	Vehicles Eligibl	e	Aircraft:	
27		Expen	ditures	U	sage	(Vehicle	s/Other)	for Replacemer	nt	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru	•	·		PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX	·]		Inactive Inv	
Total:										Storage	

Exhibit P-20, R	equirem	onte Stud	lv	Approriation/Budget	Activity/Serial No:		•	•	Date:	•	•
	-		-	Procuren		109) / Communications a	and Electronic Equipm	ent (4) / 038		February 1998	
P-1 Line Item Nomenclature	(Include DOD	IC for Ammunition	n Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
COMMUNICA	ATIONS SWIT	CHING AND CO	NTROL SYSTEMS (A44239)		5	Months			. 6	Months
TDN Server					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						116	241	87			
Unit Cost						138225.0	141267.0	154.0			
Total Cost						16034.0	34045.0	13398.0			
Asset Dynamics											
Beginning Asset F	Position							220			
Deliveries from:	F	Y 1997 F	unding								
Deliveries from:	F	Y 1998 F	unding				80	36			
Deliveries from:	F	Y 1999 F	unding				140	101			
Deliveries from St	ubsequent	Years Funds	3					87			
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retiren	nents/Attriti	ions									
End of Year Asse	t Position										
Inventory Objective of	or Current A	Authorized Al	llowance				220	444			
Inventory Object	ctive	Actual	Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
447		Expe	nditures	U	sage	(Vehicle	s/Other)	for Replacemer	nt	TOAI	
Assets Rqd for	9	6 thru		96 thru		96 thru				PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	F	Y XXXX	-	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	F	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Remar	ks:
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FY 1998 / FY 1999 BUDGET F	PRO	DUCTIO	N SCH	IEDUL	E		P-1 l	tem No	omeno			AL DA	TA N	ETWC	ORK (TDN) ((A442	39)					Date):			Febr	uary 1	998		
				PROC	ACCEP.	BAL					Fis	cal \				- V-	0						Fis		Yea		V	00	_	口	L
COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	М		M A Y	Year J U N	J U L	A U G	S E P	A T E R
	+																										<u> </u>				
TDN GATEWAY	1	FY98	MC	6	0	6									А												1	1	1	1	2
	1	FY99	MC	11	0	11													Α											1	10
	1	FY00	MC	8	0	8																									8
TDN SERVER	2	FY98	MC	116	0	116									А												20	20	20	20	36
	2	FY99	МС	241	0	241													Α					20	20	20	20	20	20	20	101
	2	FY00	MC	87	0	87																								\Box	87
TDN GATEWAY RESERVES	1																												\vdash	\dashv	
		FY99	МС	1	0	1													Α												1
TDN SERVER RESERVES	2																														
	+	FY99	MC	83	0	83													Α					20	20	20	20	3		_	
	+																												\Box	\dashv	
	+																												\vdash	\dashv	
	+																													-	
	+																										<u> </u>	-			
						<u> </u>	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F			М	J	J		S	
							C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B		P R	A Y	U N	U L	U G	E P	
M		PI	RODUCTI	ON RATES		REACHED		IFR mber					Pr	ADN ior 1 C		EAD 1	TIME ter 1 (Oct.	Af	MFR ter 1 0			TOTA ter 1 (EMAF		Non-A	dditive.		
R NAME / LOCATION		MIN.		-8-5	MAX.	D +	_	1	INITIA								8			12			20								
1 TDN GATEWAY-UNKNOWN 2 TDN SERVER-UNKNOWN		1 5		20	2 50				REOF	RDER AL							8			12			20		1						
									REOF	RDER															1						
									REOF	RDER															1						
									INITIA REOF	AL RDER		-													ł						
									INITIA	AL															1						
									REOF	RDER																					

FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCH	IEDUL	E		P-1 T	tem No	omend			AL DA	TA NI	ETWC	RK (1	TDN) (A4423	39)					Date	a:				Febr	uary 19	998	
				PROC	ACCEP.	BAL					Fis	cal `											Fi		Yea						L
	М		S	QTY	PRIOR	DUE								Cale	nda		ar 00							_	_	dar		01			Α
	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	O C	N	D	J	F	M	A P	M	J	Ŋ	A	S E	0	N	D	J	F			M	J	J	A U	S E	T E
COST ELEMENTS	K		V V		1 001	1 001	T	0 V	E C	A N	E B	A R	R	A Y	N	υL	U G	P	T	0 V	E C	A N	E B		R	A Y	U N	L	G	P	R
																									-			-			<u> </u>
TDN GATEWAY	1	FY98	MC	6	4	2	1	1																							
	1	FY99	MC	11	1	10	1	1	2	2	2	1	1																		
	1	FY00	MC	8	0	8	Α					1	1	2	2	2															
TDN SERVER	2	FY98	MC	116	80	36	20	16																	\vdash				\vdash		
	2	FY99	MC	241	140	101	20	20	20	20	21																				
	2	FY00	MC	87	0	87	Α					20	20	20	20	7															
TDN GATEWAY RESERVES	1																														
TEN CATEVAL RECEIVED	- 1	FY99	MC	1	0	1						1													1						
TDN SERVER RESERVES	2	1 100	IVIC		Ŭ	<u> </u>						-													1				\vdash		
		FY99	МС	83	83																								\vdash		
		1 100			- 55																				t						
					1																										
																									-						-
																									1				\vdash		
							O C T	N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	Z U	n N	A U G	S E P	O C T	N O V	D E C	J A N	F E B				N U	J J	A U G	S E P	
1		Р	RODUCTI	ON RATES	;			FR	C	IN	В	ĸ	ĸ			EAD 1		Р		MFR			TOTA			EMAF		L	G	Р	
						REACHED	.,	mber					Pri	ior 1 C	ct.	Af	ter 1 C	Oct.	Af	er 1 (Oct.	Af	fter 1		Re	eserve	s are N	Non-A	dditive.		
NAME / LOCATION TDN GATEWAY-UNKNOW		MIN.		-8-5 1	MAX.	D +			INITIA	AL RDER							8			12			20		-						
TDN SERVER-UNKNOWN		5		20	50				INITIA								8			12			20		1						
									REOF	RDER															1						
									REOF	AL RDER															1						
									INITIA	AL															1						
									REOF	RDER															-						
1							ł			AL RDER									_						1						

						Date:				
	Exhibit P-4	10, Budget Item Justifi	cation Shee					February 1998		
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	ature:	<u> </u>				
Procurement, Ma	rine Corps (1109) / Communications and E	lectronic Equipment (4) / 038				DIGITAL TECH	HNICAL CONTROL	(DTC) (A44241)		
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
2	26313M C2276	В								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			5	8	16					29
Gross Cost			11.3	18.5	34.4					64.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)			11.3	18.5	34.4					64.2
Initial Spares					2.0	1.2	2.0			5.2
Total Proc Cost			11.3	18.5	36.4	1.2	2.0			69.4
Flyaway U/C										
Wpn Sys Proc U/C			1.9	2.3	2.2					

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire, and signalling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

MS I/II-Apr 95 OT-Sep 97 MS III-Feb 98

OT completed at Camp Pendleton 26 Sep 97. MS III scheduled for Feb 98.

Exhibit P-5, Weapon		Appropriation/ B				em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen	orps (1109) / Com Equipment (4) / 0		DIGITA	L TECHNICAL C	ONTROL (DTC) (A	44241)			Febr	uary 1998
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL AN/TSQ-XXX							9258	5	1851600	15138	8	1892250
SUPPORT COSTS Engineering Logistics Support Factory Training (I&KP) Technical Manuals Provisioning Data							473 561 266 182		VAR	481 561 274 266 241		
Travel							50			50		
ECP										948		
Contractor Support							538			547		
TOTAL							11328			18506		

								Date:		
Exhibit	P-5a, Budget Procurement								February 1	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatu	re:	•		
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 038						DIGITAL TE	CHNICAL CONTRO	DL (DTC)	(A44241)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
	Contractor and Ecoation	Method	Education of 1 do	/ ward Date				Avail	Revsn	Date
Fiscal Years AN/TSQ-XXX		and Type			Delivery	Each	\$	Now?	Avail	
FY 98	UNKNOWN	C/FFP	MCSYSCOM	Jun-98	Jun-99	_	1851600	VEC	OCTOZ	Mar-98
FY 99	UNKNOWN		MCSYSCOM	Oct-98	Sep-99	5		VES	OCT07	Mar 00
F1 99	OINCIOWIN	C/FFF/O	IVICSTSCOIVI	001-96	Sep-99		1092230	ILS	00197	IVIAI-90
REMARKS:						·				· <u></u>

Exhibit P-20, Re	auiromonte	Study	Approriation/Budget	t Activity/Serial No:	<u> </u>			Date:		
	-	-	Procuren		109) / Communications a	and Electronic Equipm	nent (4) / 038		February 1998	
P-1 Line Item Nomenclature (Include DODIC for A	Ammunition Items):		Admin Leadtime (a	after Oct 1):			Prod Leadtime:		
COMMUNICAT	TIONS SWITCHING	AND CONTROL SYSTEM	S (A44241)		5	Months			12	Months
Digital Technical Cont	trol			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					5	8	16			
Unit Cost					2265.6	2313.3	2149.8			
Total Cost					11328.0	18506.0	34396.0			
Asset Dynamics										
Beginning Asset Po	osition						5	18	29	2
Deliveries from:	FY 19	97 Funding								
Deliveries from:	FY 19	98 Funding				4	1			
Deliveries from:	FY 19	99 Funding				1	7	•		
Deliveries from Sul	bsequent Years	s Funds					5	11		
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retireme	ents/Attritions									
End of Year Asset	Position					5	18	29	29	2
Inventory Objective or	Current Autho	rized Allowance								
Inventory Object	ive	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
31		Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru	ı	96 thru		96 thru				PAA:	
Combat Loads:	FY XX	XX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XX		FY XXXX		FY XXXX		Augment		BAI	·-
Other:	FY XX	XX	FY XXXX		FY XXXX				Inactive Inv	·-
Total:									Storage	

Remark	s:
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FY 98 / 99 BUDGET PROD	OUC	TION SC	HED	ULE			P-1 I	tem No	omeno			ECHN	IICAL	. CONT	TROL	(DTC) (A44	241)					Date	:			Febru	uary 19	998		
	М		S	PROC QTY	ACCEP. PRIOR	BAL DUE					Fis	cal \		r 98 Cale	nda	r Yea	ar 98	3					Fis		Yea alen		/ear	99	_		L A
COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	Z O C	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	T E R
AN/TSQ-XXX	1	FY 98	MC	5	0	5									Α												1	1	1	1	1
AN/TSQ-XXX	1	FY 99	MC	8	0	8													Α											1	7
AN/TSQ-XXX	1	FY 00	MC	16	0	16																									16
																													\rightarrow		
								\vdash																					\dashv		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	
М		PF	RODUCTI	ON RATES		DE 4 OU ==		IFR								EAD T	IME			MFR			TOTA			MAR					
F NAME / LOCATION		MIN.	1	-8-5	MAX.	REACHED D+	Nu	mber	INITIA	ΔΙ		\dashv	Pri	ior 1 O	ct.	Aft	er 1 C	Oct.	Aft	er 1 O 12	ct.	Aft	ter 1 C	Oct.	ł						
1 UNKNOWN		1		2	3					RDER							U			14			20		l						
									INITIA																						
					-				REOF	RDER AL															ł						
									REOF	RDER															1						
									INITIA]						
 					 				INITIA	RDER AL															ł						
										RDER																					

FY 98 / 99 BUDGET PRO	DUC	CTION SC	CHED	ULE			P-1 I	tem No				ECHN	NICAL	. CON	TROL	(DTC	(A44	1241)					Date	:				Febru	uary 19	998	
	М		S	PROC QTY	ACCEP. PRIOR	BAL DUE					Fis	cal `		r 00 Cale	nda	r Ye	ar 00)					Fis		Yea alen		Year	01			L A
COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	0 C T		D E C	J A N	F E B	M A R	A P R	M A Y	J	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	T E R
3331 ELEMENTS			V				_	V	C	N	В	R	R	Y	N		G	Р	<u> </u>	V	C	N	В	R	K	Y	N		G	Р	K
AN/TSQ-XXX	1	FY 98	МС	5	4	1	1																								
AN/TSQ-XXX	1	FY 99	MC	8	1	7	1	1	1	1	1	1	1																		
AN/TSQ-XXX	1	FY 00	MC	16	0	16	Α							1	1	1	1	1	1	1	1	2	2	2	2						
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M		Di	RODUCT	ON RATES		T	T	V FR	С	N	В	R	R	Y ADM	N	L EAD T	G	Р	Т	V MFR	С	N .	B TOTA	R	R	Y EMAR	N	L	G	Р	
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	Exhibit P-	40, Budget I	tem Justific	ation Sheet					February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:	•				
Procurement, Ma	rine Corps (1109) / Communications and	Electronic Equipment	(4) / 038				DEFENSE MI	ESSAGE SYSTEM (DMS) (A44402)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
02	06313M C2276		В								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			4.2	7.3	4.5	7.5	3.3				26.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			4.2	7.3	4.5	7.5	3.3				26.8
Initial Spares											
Total Proc Cost			4.2	7.3	4.5	7.5	3.3				26.8
Flyaway U/C											
Wpn Sys Proc U/C											

DMS is DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations and individuals will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces.

Essentially, DMS will encompass the Marine Corps' current Banyan E-mail and AUTODIN systems as well as the following additional capabilities:

- ** Connectivity to all users in DoD
- ** Secure networking of classification (UNCLASS, SECRET, TS, SIC) on a single network
- ** Ability to send organizational messages from the desktop.

OT-Mar 97 IOT&E-Aug 97

Successful completion of IOT&E. Interim MAISRC decision - Oct 97

Exhibit P-5, Weapon		Appropriation/ Bu	y/Serial No: orps (1109) / Comr			m Nomenclature:	SYSTEM (DMS) (A		Weapon System	Type:	Date:	uary 1998
WPN SYST Cost Analysis			Equipment (4) / 0				(3) (/					,
Weapon System Cost Elements	ID CD		1	TotalCost	FY 97 Qty	UnitCost	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost
Cost Elements	0.5			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DMS				1967			3818			1593		
TRAVEL				10			50			50		
FACTORY TRAINING				220			1083			1121		
NETWORK INSTALLATION				1361			1520			1203		
SITE SURVEYS				412			628			373		
CONTRACTOR SUPPORT				274			172			175		
TOTAL				4244			7271			4515		

	Exhibit P-5a, Budget Procurement	nt History a	ind Planning						February	1998
Appropriation / Budget Activity/Serial No:	· •	Weapon Syst			P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Commun Equipment (4) / 038	ications and Electronic					DEFENSE N	MESSAGE SYSTEM	И (DMS) (A44402)	
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is:
iscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
DMS										
FY97	Lockheed-Martin Manassas, VA	FFP/O	USAF	Apr-97	Dec-97	LOT	VAR	YES	NO	Feb-
FY98	Lockheed-Martin Manassas, VA	FFP/O	USAF	Jan-98	May-98	LOT	VAR	YES	YES	Oct-
FY99	Lockheed-Martin Manassas, VA	FFP/O	USAF	Jan-99	May-99	LOT	VAR	YES	YES	Oct-
REMARKS:										

							Date:				
	Exhibit	P-40, Budget	Item Justific	cation Sheet					February 1998		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipmen	it (4) / 039				COMM/ELE	C INFRASTRUCTU	RE (P44448)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	T	1				I				1	
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			56.8	61.2	57.9	58.5	49.2	38.1	24.0		345.6
Less PY Adv Proc											
Plus CY Adv Proc											<u> </u>
Net Proc (P-1)			56.8	61.2	57.9	58.5	49.2	38.1	24.0		345.6
Initial Spares											<u> </u>
Total Proc Cost			56.8	61.2	57.9	58.5	49.2	38.1	24.0		345.6
Flyaway U/C											<u> </u>
Wpn Sys Proc U/C											·i

The Marine Corps Communication/Electronic Infrastructure Support program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems and the implementation of new corporate information management (CIM) automated information systems (AIS) to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

1. NETWORKING INFRASTRUCTURE: The Marine Corps ADP support is comprised of several components including small systems computer equipment, proprietary system software products, the Marine Corps Wide Standard Network Operating System and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega Center (DMC) in St. Louis, Missouri. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure to support DoD sponsored and Marine Corps unique client-server applications. Types of equipment purchased include routers for SIPRNET, NIPRNET and DoD migration systems, Network Management Software Tools, File Server and Enterprise Back-up-Restore Software. This line was formerly identified as two separate lines (Regional Computing and System Software). The lines were consolidated to better accommodate emerging technology.

FY96 PROCUREMENT IN BLI 494200

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 1998
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		COMM/ELEC INFRASTRUCTURE (P44448)

2. TACTICAL SYSTEM SUPPORT EQUIPMENT: Required equipment and support for the Marine Corps Tactical System Support Activity's effort on Life Cycle Software (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.

FY96 PROCUREMENT REPORTED IN BLI 494200

3. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS): ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance from a mainframe into in a personal computer application using a networked client-server environment. ATLASS Phase II+ consolidates the total force intermediate and consumer level supply and maintenance information management functions into a single material management system. ATLASS Phase II+ is a client-server based supply maintenance and material readiness AIS that is readily deployable. ATLASS Phase II+ supports any size deployment and retains flexibility to exploit existing commercial and government off-the-shelf software. This system is compliant with MAGTF C4I concept, GCCS COE, and published DOD standards for open systems architecture.

FY96 PROCUREMENT REPORTED IN BLI 494200

4. MANPOWER AND RESERVE AFFAIRS ADP: This centrally managed program will procure a prototype Document Imaging Equipment and Integration System for the M&RA Department. This program will transform documents from paper to electronic format and reduce storage space plus make these records available throughout M&RA via the Local Area Network.

FY96 PROCUREMENT REPORTED IN BLI 494200

5. MAGTF LOGISTICS INFRASTRUCTURE: A family of microcomputers that provide the operating forces the necessary tools to support both deliberate and crisis action situations from initiation and mobilization/deployment through employment in an area of responsibility. MAGTF LOG AIS provides core deployment planning and execution capability. It supports Joint Service efforts (TCAIMS and MDSSII are Joint Migration Systems). It is key contibutor to USMC Total Asset Visibility (barcode and radio frequency technology). Provides key elements of GCCS functionality (MAGTF II feeds into JOPES). MAGTF LOG AIS supports \$10 Billion of material.

Exhibit P-40C Budget In	tem Justific	ation Sheet		Date February 1998
Appropriation / Budget Activity/Serial No.			P-1 Item Nomenclature	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039			COMM/ELEC INFRASTRUCTURE (P44448)
Program Elements for Code B Items	Code	Other Related Prog	ram Elements	
in operating expenses over a 10-year life cycle.	t. The use o	of this advanc	ced technology will reduce	
FY96 PROCUREMENT REPORTED IN BLI 494200 7. JOINT RECRUITING INFORMATION SUPPORT SYS planning at HQ to prospecting at the canvassing recruiter Delayed Entry Program (DEP) tracking, enlistment criteria outside agencies, to name only a few. JRISS will be a joir specific front-end user interfaces will support the unique re-	level. Some expert systent of system with	e of the benifi em, electroni th all service	ts include one time data e c distribution of leads, ele s sharing standardized da	entry, forms generation, automated activity reporting, ectronic interface with MEPS, other services and relevent
to support ongoing RDT&E projects and for the replacement decision makers and planners throughout M&RA in suppo	ent of existin ort of the mar tem's suppor	g hardware/s npower proce rt exist along	software as it reaches the ess. The ability to execute with a loss of immediate	e the manpower process is critical to the mission of M&RA. access to historical data necessary for day-to-day decision
` '	ated exchan	ge of electro	nic forms, instead of pape	elementation of EDI in DoD" calls for an aggressive program er. Through EDI, the Marine Corps basic business systems over the costs of the computer and software necessary to
FY96 PROCUREMENT REPORTED IN BLI 494200				

Exhibit P-40C Budget I	tem Justific	ation Sheet		Date February 1998
Appropriation / Budget Activity/Serial No.			P-1 Item Nomenclature	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039			COMM/ELEC INFRASTRUCTURE (P44448)
Program Elements for Code B Items	Code	Other Related Progr	am Elements	

10. BASE TELECOMMUNICATIONS INFRASTRUCTURE: Provides funding for base telephone and transmission systems which are used to transfer voice, data, imagery, etc. aboard Marine Corps bases and stations. These systems also provide users access to worldwide information systems such as the Defense Informations Systems Network, the Internet, and various commercial systems. The base telecommunications infrastructure consists of a fiber optic backbone, multiplexers and high speed transmission equipment capable of supporting any foreseeable bandwidth requirements on demand. Telephone systems will use Integrated Switched Digital Network (ISDN) technology to provide integrated and switched voice, video, and data capability. All base host telephone systems will be upgraded to year 2000 compliance under this program.

FY96 PROCUREMENT REPORTED IN BLI 644400

- 11. MCTFS- UD/MIPS MISSO SERVER: A robust pair of servers for each MISSO for LAN support in order to hold the large volume of information required for accessing MCTFS via UD/MIPS and all applicable users manuals, Station Allowance Advisory Notices, Travel Advisory Notices, Pay and Allowances Notices, Systems Assurance Officers, all Marine Corps Activities, Automated Pay Systems Manuals, Record of Emergency Data, Basic Individual Records, Basic Training Records, Reserve Basic Individual Records, Reserve Basic Training Records, and Leave and Earning Statements, computer based training, etc. This allows for much better service to support contingency planning/actions. A minimum total of 14 servers are required, two each for MISSO 02, 03, 06, 09, 16/17 (co-located), 27 and the PA School. Servers can be provided from on-hand assets for MISSO 11, the deploying MISSO. The cost/benefit analysis by the Manpower Information Systems Support Activity, Kansas City, has shown that providing each MISSO with a pair of servers allows for significantly enhanced support to all regional reporting units. It also allows for reducing dependency on use of mainframe connectivity. The deploying MISSO only deploys with a MEF, MEF Forward or large element to support 25,000 personnel or more. The deployed MISSO normally is deployed and co-located with FSSG G-1 and will be supported by the G-1/G-6 of the supporting unit in the local theater of operations for all support. Each MISSO supports a minimum of 25, 000 Marines or more. Some MISSO's support up to 60,000 Marines. The MISSO provides the visual extract files that allow commanders, staffs and administrators to see near real time information regarding the pay, personnel manpower, training, security and limited mobilization data on all active and reserve Marines and supports and annual amount of 16 million transactions into MCTFS. This reporting, which must be done electronically and reviewed daily, requires this critical "MISSO Server" Infrastructure. It also supports the MAGTF C4I Teleco
- 12. MARINE CORPS DECISION SUPPORT SYSTEM PRINCIPAL END ITEM STRATIFICATION: Provides the Marine Corps the ability integrate the automated Principal End Item Stratification, Depot Level Maintenance Program and Capability Evaluation processes with an interactive client/server data warehouse in order to facilitate the types of analysis that support the rapid and accurate decision making necessary for the improved life cycle management of Marine Corps weapon systems.

Exhibit P-5, Weapon	1 11 1 7 1						m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen				CON	MM/ELEC INFRAS	STRUCTURE (P44	448)			Feb	ruary 1998
•	ID	-	Electronic	Equipment (4) / 0	39	FY 97			FY 98			FY 99	
Weapon System Cost Elements	CD	-			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
Cost Elements	CD				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ASE TELECOM INFRASTRUCTURE	1				32321	Lacii	ΨΟΟΟ	41349	Lacii	ΨΟΟΟ	16254		ΨΟΟ
ETWORK INFRASTRUCTURE					12055			13693			24419		
ICTFS-UDMIPS MISSO SERVER					12055			332			345		
IANPOWER AUTOMATED INFO SYS								487			345 487		
TLASS								3952 851			10613 5744		
IAGTF LOGISTICS AUTOMATED INFO SYS ACTICAL SYSTEM SUPPORT (MCTSSA)	'				1185			851			5/44		
ANPOWER AND RESERVE AFFAIRS (M&RA)					191								
LECTRONIC DATA INTERCHANGE (EDI)					75								
								500					
PRIS-ODI-RMS RISS					851 8610			523					
URF EAGLE *					1000								
ICDSS PEI STRAT					530								
OTAL					56818			61187			57862		
Funding Transferred From Operations													
nd Maintenance													
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								Date:		
Exhib	it P-5a, Budget Procuremer								February ¹	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Electro Equipment (4) / 039	nic					COMM/EL	LEC INFRASTRUC	TURE (P4	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	Date
							7000			
NETWORK INFRASTRUCTURE										
FY 97	VARIOUS	C/FFP	SYSCOM/GSA	May-97	Jun-97	VAR	12055	YES	N/A	
FY 98	VARIOUS	C/FFP	SYSCOM/GSA	Apr-98	Jun-98	VAR	13693	YES	N/A	
FY 99	VARIOUS	C/FFP	SYSCOM/GSA	Jan-99	Apr-99	VAR	24419	YES	N/A	
TACTICAL SYSTEM SUPPORT EQUIPMENT										
FY 97	VARIOUS	C/FFP	VARIOUS	Jun-97	Jul-97	VAR	1185	YES	N/A	
ATLASS										
FY 98	VARIOUS	C/FFP	NAVMASSO	Feb-98	Jun-98	VAR	3952	YES	N/A	
FY 99	VARIOUS	C/FFP	NAVMASSO	Mar-99	Jul-99	VAR	10613		N/A	
1 1 33	VARIOUS	0/111	IVAVIVIAGGO	IVIAI-55	Jul-33	VAIX	10013	120	IN/A	
M&RA										
FY 97	FED SIM, WDC	C/FFP	LBC/FED SIM	May-97	Jun-97	VAR	191	YES	N/A	
MAGTF LOGISTICS INFRASTRUCTURE	UL COMPUTED OTODE	0/550	0)/0001/000	0 . 07	N 07	\	054	\/F0		
FY 98	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-97	Nov-97	VAR	851		N/A	
FY 99	AIT CONTRACT	C/FFP	SYSCOM/DOT	Oct-98	Nov-98	VAR	5744	YES	N/A	
FY 99	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-98	Nov-98	VAR	2793	YES	N/A	
ODI										
FY 97	VARIOUS	C/FFP	LBC	Jan-97	Mar-97	VAR	851	YES	N/A	
FY 98	VARIOUS	C/FFP	LBC	Nov-97	Jan-98	VAR	523	YES	N/A	
JRISS										
FY 97	VARIOUS	C/FFP	ARMY	Aug-97	Sep-97	VAR	8610	YES	N/A	
MAISS FY 98	VADIOUS	C/EED	L DC/AD	D 07	l 00	\/AD	407	VEC	NI/A	
FY 98 FY 99	VARIOUS VARIOUS	C/FFP	LBC/AR LBC	Dec-97	Jan-98	VAR VAR	487	YES YES	N/A N/A	
FT 99	VARIOUS	C/FFP	LDC	Jan-99	Apr-99	VAR	487	152	IN/A	
EDI										
FY 97	VARIOUS	C/FFP	LBC	Apr-97	Aug-97	VAR	75	YES	N/A	

Evkikia	D Ea Budget Breeurement	Lieton: e	nd Dianning					Date:		
	P-5a, Budget Procurement	Weapon Syst			D 4 Line It	Nomenalation			February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		weapon syst	ын турс.		r-1 Line Item	Nomenclature COMM/EL	e: LEC INFRASTRUC	TURE (P4	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issi Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
BASE TELECOMMUNICATION INFRASTRUCTURE FY 97 CAMP KINSER REPLACE TELE SYSTEM	NORTEL, RICHARDSON, TX	C/FFP	AIRFORCE	Mar-97	Jun-97	1	1700	YES	N/A	
	GTE, CHANTILLY, VA	C/FFP	ARMY	Feb-97		1	19711		N/A	
FY 97 LEJEUNE TELE & TRANSMISSION FY 97 29 PALMS UPGRADE SWITCH	LOCAL CONTRACT	C/FFP	USMC	Apr-97	Jun-97 Jul-97	1			N/A	
FY 97 29 PALMS OPGRADE SWITCH FY 97 PENDLETON TELE SYSTEM UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY			1	936 9974		N/A	
	GTE, CHANTILLY, VA	C/FFP	ARIVIY	Dec-96	Apr-98	1	9974	YES	IN/A	
& UPGRADE OF SONET RING 1, 2, & 3 ON THE										
TRANSMISSION BACKBONE FY 98 OKINAWA & MAINLAND JAPAN	GTE, CHANTILLY, VA	C/FFP	ARMY/AIRFORCE	Jan-98	Apr 00	1	9709	YES	N/A	
TELEPHONE SYSTEMS UPGRADE	GTE, CHANTILLT, VA	C/FFF	ARWIT/AIRFORGE	Jan-90	Apr-98	'	9109	IES	IN/A	
FY 98 PENDLETON INSTALL RING 4 ON THE	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-98	Apr-98	1	7194	YES	N/A	
TRANSMISSION BACKBONE, UPGRADE COPPER		0,111	7 ii diii i	July 30	7100		7.101	1.20	''''	
CABLE AND MANHOLE CONDUIT SYSTEM AND										
CONNECT ADDITIONAL BUILDINGS TO FIBER										
OPTIC BACKBONE WITH SINGLE MODE FIBER										
FY 98 CHERRY PT TELE & TRANSMISSION UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY	Apr-98	Jul-98	VAR	21346	YES	N/A	
FY 98 BEAUFORT TELE & TRANSMISSION UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY	Apr-98	Jul-98	VAR				
FY 98 Y2K TELEPHONE COMPLIANCE YUMA,	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-99	Apr-99	1	3100	YES	N/A	
29 PALMS, QUANTICO AND CHERRY POINT	,									
FY 99 OKINAWA & MAINLAND JAPAN	MILCOM SYSTEMS, VA BCH	C/FFP	NAVY	Jan-99	Apr-99	1	14154	YES	N/A	
TRANSMISSION SYSTEM UPGRADE										
FY 99 PENDLETON TRANSMISSION UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-99	Apr-99	VAR	2100	YES	N/A	
MCTFS-UD/MIPS MISSO SERVER										
FY 98	GTSI, CHANTILLY, VA	C/FFP	MCSA, KC	Dec-97	Jan-98	VAR	332	YES	N/A	
FY 99	UNKNOWN	C/FFP	LBC	Jan-99	Apr-99	VAR	345	YES	N/A	
MCDSS PEI STRAT										
FY 97	VARIOUS	C/FFP	MCLB, ALBANY/GSA	May-97	May-97	VAR	530	YES	N/A	

						Date:				
	Exhibit P-4	0, Budget Item Justific	cation Shee	t				February 1998		
Appropriation / Budget Activity	//Serial No:			P-1 Item Nomencla	iture:	•				
Procurement, Ma	arine Corps (1109) / Communications and El	ectronic Equipment (4) / 040				MODFICAT	TION KITS MAGTE	C4I (P44623)		
Program Elements for Code B	Items:	Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	1 1101 1 0010	1	1 1 1000	1 1 1000	2000	2001	2002	2000	. o complete	
Gross Cost		54.5	22.4	27.4	32.5	34.9	7.1	2.7	Cont	Cont
Plus CY Adv Proc										
Net Proc (P-1)		54.5	22.4	27.4	32.5	34.9	7.1	2.7	Cont	Cont
Initial Spares			0.8	7.5	2.0	2.2	3.3	3.3	Cont	Cont
Total Proc Cost		54.5	23.2	34.9	34.5	37.1	10.4	6.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.

This funding profile includes radar modifications which improve mean time between failure rates and enhance performance characteristics. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO). The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communication devices to include radios, switches, and computers and will provide secure transmissions at all times. The MRC-142 is an Ultra-High Frequency (UHF) Digital Wideband Transmission System Radio Terminal Set used at the Marine Expeditionary Force, Division, Wing, and Force Service Support Group. It provides medium range, medium capacity, multi-channel trunking required by deployed forces to interconnect the Unit Level Circuit Switch (ULCS). The system is capable of providing up to two separate UHF radio paths in the 1350-1950 MHZ range, us line-of-sight for distances up to 35 miles, for interconnection of digital trunk groups at 144, 288, or 576 Kbps over a maximum of 36 channels.

The pre-planned product improvement (PIP) for an uninterrupted power source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the digital battlefield arena, the digital information carried by the MRC-142 will affect more than just this system (depending on the location of the MRC-142, an entire network of operations may be affected.)

Exhibit P-40, Budget Item Justification Sheet		Date: February 1998
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040		MODFICATION KITS MAGTF C4I (P44623)

The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current, outdated EW suite. Threat tactical communciations have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics.

MOD	INS	TALLATION	AGENT	INSTALLATION
AN/TPS-59 RADAR MOD (97)	 F	EIELD	ВЕ	 EGIN SEP 98/END AUG 9
IDASC PIP		FIELD		BEGIN MAY 97/END FE
COMSEC CABLES		FIELD	В	EGIN JAN 97/END SEP
AN/MRC-142 PIP		FIELD	В	EGIN JUL 99/END JAN (
MEWSS-PIP	LM F	EDERAL SY	S BI	EGIN JAN 97/END JUL 0
	OW	EGO, NY		
MODELS OF SYSTEMS AFF	FECTED: M	MODIFICATION FY1998	N KITS (MA	AGTF C4I)
COMSEC CABLES	0.552	0.951	.979	
AN/TPS-59 ECP'S	38.711	5.796	8.354	
AN/MLQ-36A (MEWSS)	11.120	14.300	14.836	
DASC MOD	4.084	1.365	1.406	
AN/MRC 142 PIP (UPS)			1.852	
TOTAL	54.467	22.412	27.427	

Exhibit P-	40C Budget It	tem Justific	ation Sheet		С	Pate		February 1998		
Appropriation / Budget Activity/Serial No.				P-1 Item Nomenclature	9					
Procurement, Marine Corps (1109) / Communications and E	Electronic Equipment (4) / 040				MODFICATIO	N KITS MAGTF C4I	(P44623)		
Program Elements for Code B Items		Code	Other Related Progra	am Elements						
Description	Fiscal Years	}								
OSIP NO. Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
COMSEC CABLES										
1 EFFICIENCY		0.6	0.9	1.0	1.0	1.0	1.1	1.1	Cont	Cont
AN/TPS RADAR SYSTEM										
2 EFFICIENCY		38.7	5.8	8.4	7.8	9.5	0.0	0.0	Cont	Cont
MOBILE ELECTRONIC WARFARE SUPPOR	RT SYSTEM (MEWSS)			***************************************					
3 EFFICIENCY		11.1	14.3	14.8	22.1	22.8	4.5	0.0	Cont	Cont
AN/TSQ-155V IMPROVED DASC (IDASC) C	DE-334 ANTEI	NNA COUPL	.ER			F			•	
4 EFFICIENCY		4.1	1.4	1.4	1.5	1.6	1.5	1.6	Cont	Cont
MRC-142 PRE-PLANNED PRODUCT IMPR	OVEMENT (P									
5 EFFICIENCY		0.0	0.0	1.8	0.1	0.0	0.0	0.0	Cont	Cont
Totals		54.5	22.4	27.4	32.5	34.9	7.1	2.7	Cont	Cont

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procureme	nt, Marine C	ty/Serial No: forps (1109) / Com Equipment (4) / 0			m Nomenclature: DFICATION KITS	MAGTF C4I (P44	623)	Weapon System	Туре:	Date: Febr	uary 1998
Weapon System	ID			12.1 2 1 (7.2 2		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
COMSEC CABLES CONTRACTOR SUPPORT SUBTOTAL					477 75 552			876 75 951			904 75 979		
AN/TPS-59 ECPs AN/TPS-59 TACTICAL MISSILE DEFENSE (TMD) MARINE COMMON HARDWARE SUITE					33522	7	4788857	886	22	40294	443	11	40294
ECP MOD KITS TRAINING DEVICES PRODUCTION UPGRADE KITS INSTALLATION					2462	2	1231000				1347 4890 520	7	698571
TRAVEL CONTRACTOR SUPPORT ILS DATA SUBTOTAL AN/MLQ 36 (A) (MEWSS) INSTALLATION SUBTOTAL					100 250 2377 38711 11120	2	5560000	75 427 4408 5796 12272 2028 14300	2	6136000	75 427 652 8354 12713 2123 14836	2	6356500
IDASC (OPS SHELTER) DOWNSIZING PIP VOICE COMM SYSTEM AUTOMATION UPGRADE SATCOMM RADIOS GENERAL SUPPORT INSTALLATION SUBTOTAL					2591 1249 144 100 4084	12 12	215917 104083	677 313 271 104 1365	10	31349	692 320 287 107 1406	10	32046
MRC-142 INSTALLATION KITS TRAVEL INTEGRATED LOG SUPPORT TRAINING SUPPORT SUBTOTAL											1458 73 29 230 62 1852	486	3000
Total Cost Active Reserve					54467 (44867) (9600)			22412 (22016) (396)			27427 (27229) (198)		

								Date:		
	Exhibit P-5a, Budget Procurement	History a	nd Planning						February 1	1998
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications a	nd Electronic		=			MODFICA	ATION KITS MAGT	_ ` ` . ' .		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
COMSEC CABLES 1/										
FY 97	TRACOR CHESAPEAKE VA	C/FFP	Spawar Con Charleston	Jan-97	Aug-97	VAR	552000	YES	NO	
FY 98	TRACOR CHESAPEAKE VA	C/FFP	Spawar Con Charleston	Jan-98		VAR	951000	YES	NO	
FY 99	TRACOR CHESAPEAKE VA	C/FFP	Spawar Con Charleston	Jan-99		VAR	979000	YES	NO	
AN/TPS-59 TMD KITS FY 97	LM CORP SYRACUSE, NY	FFP	SYSCOM	Dec-96	Sep-98	7	4788857	YES	NO	
PRODUCTION UPGRADE FY 97	LM CORP SYRACUSE, NY	FFP	SYSCOM	Feb-97	Sep-98	2	1231000	YES	NO	
MARINE COMMON SUITE FY 98	LM CORP	FFP	SYSCOM	Oct-97	Jul-98	22	40294	YES	NO	
FY 98 FY 99	SYRACUSE, NY LM CORP SYRACUSE, NY	FFP	SYSCOM	Oct-98	Jul-99	11	40294	YES	NO	
IDASC (OPS SHELTER) FY 97	NSWC CRANE, IN	C/FFPO	NSWC CRANE	Feb-97	May-97	12	215917	YES	NO	
VOICE COMM FY 97 SATCOM RADIOS	EASTERN COMPUTERS	FFP	SYSCOM	Feb-97	May-97	12	104083	YES	NO	
	0		01/00014	N 07	I 00	40	04040	VE0	NO	
FY 98 FY 99	ComputerScience,FallsCh,Va TBD	FFP FFP	SYSCOM SYSCOM	Nov-97 Oct-98	Jan-98 Jan-99	10 10	31349 32046		NO NO	
MRC-142 PIP/FY-99	NSWC DAHLGREN	WR	DAHLGREN	Jan-99	Apr-99	486	3000	YES	NO	
MEWSS AN/MLQ-36 2/										
FY 97	LOCKHEED MARTIN FED SYS OWEGO. NY	FFP/ STED O	CECOM FORT MONMOUTH, N.J.	Jan-97	Dec-98	2	5560000	YES	NO	
FY 98	LOCKHEED MARTIN FED SYS OWEGO, NY	FFP/	CECOM FORT MONMOUTH, N.J.	Jan-98	Oct-99	2	6136000	YES	NO	
FY 99	LOCKHEED MARTIN FED SYS OWEGO, NY	FFP/	CECOM FORT MONMOUTH, N.J.	Jan-99	Oct-00	2	6356500	YES	NO	

REMARKS:

^{1/} COMSEC CABLES: UNIT COST REPRESENTS TOTAL DOLLAR AMOUNT. DIFFERENT CABLES/ ANCILLARIES AT VARIOUS QUANTITIES ARE BEING PURCHASED ON ONE CONTRACT.

^{2/} MEWSS AN/MLQ-36(A) UNIT COST IN FY98 AND FOLLOWING INCLUDES ELECTRONIC ATTACK MODULE

MODIFICATION TITLE: COMSEC CABLES 0001 MODELS OF SYSTEMS AFFECTED: EKMS, DTD, STU III, KY-99, KG-84, KY-90 DESCRIPTION / JUSTIFICATION: THE COMSEC CABLE PROGRAM IS A CONTINOUOUS EFFORT TO PROVIDE ANCILLARIES TO SUPPORT NEW EQUIPMENT FIELDING AND FIELDED COMSEC DEVICES. NEW ANCILLARIES ARE REQUIRED WHEN OUTDATED COMSEC EQUIPMENT IS REPLACED AND PREVIOUSLY UNDEFINED INTERFACE REQUIREMENT ARE IDENTIFIED BETWEEN COMSEC DEVICES AND MGTF C4I COMMUNICATIONS EQUIPMENT, KY-99, KG-84,KY-90 DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 2001 FY 1997 FY 1998 FY 1999 FY 2000 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 3 Months 7 Months Contract Dates: FY 1997 JAN97 FY 1998 JAN98 FY 1999 JAN99 Delivery Date: FY 1997 AUG97 FY 1998 AUG98 FY 1999 AUG99

INDIVIDUAL MODIFICATION

Date

February 1998

					IN	DIVIDUA	L MOD	IFICATIO	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		C	OMSE	C CABI	LES 00	001														
FINANCIAL PLAN: (\$ in Millions)		1996	7																	
		Prior	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003	1	ГС	TO	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT Kit Quantity			VAR		VAR		VAR													
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				0.477		0.876		0.904		0.923		0.949		0.965		0.997		Cont.		Cont.
ECO INTERN CONTRACTOR SUPPORT Other				0.075		0.075		0.075		0.085		0.085		0.095		0.095		Cont.		Cont.
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost				0.550		0.05:		0.0=0		4.000		4.05		4.000		4.000		0 .		0 .
Total Procurement Cost				0.552		0.951		0.979		1.008		1.034		1.060		1.092		Cont.		Cont.

INDIVIDUAL MODIFICATION Date February 1998 MODIFICATION TITLE: AN/TPS RADAR SYSTEM 0002 MODELS OF SYSTEMS AFFECTED: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 ECPs/TMD UPGRADE DESCRIPTION / JUSTIFICATION: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 RADAR SET. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 2000 FY 2001 FY 1997 FY 1998 FY 1999 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 17 Months 2 Months Contract Dates: FY 1997 DEC96 FY 1998 OCT97 FY 1999 OCT98 Delivery Date: FY 1997 SEP98 FY 1998 JUL98 FY 1999 JUL99

					INI	DIVIDUA	L MOD	IFICATIO	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		ΑN	N/TPS	RADAF	R SYS	TEM 00	002													
FINANCIAL PLAN: (\$ in Millions)		1996	1																	
	and	l Prior		1997		1998		1999		2000		2001		2002		2003		С		TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT																				
Kit Quantity Inst Kits, Nonrecurring			9		22		11													
Equipment, Nonrecurring				35.984		0.886		6.680		7.108		8.582								59.240
ECO																				
Other				2.727		4.910		1.674		0.716		0.938								10.965
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits																				
FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost Total Procurement Cost				38.711		5.796		8.354		7.824		9.520								70.205
Total Floculement Cost				JO./ 11		5.790		0.334		1.024		9.520							1	10.20

INDIVIDUAL MODIFICATION Date February 1998 MODIFICATION TITLE: MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) 0003 MODELS OF SYSTEMS AFFECTED Mobile Electronic Warfare Support System (AN/MLQ-36) PIP DESCRIPTION / JUSTIFICATION: The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advance tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: PHASE II -ENGINEERING DEVELOP MODEL (EDM) 4TH QTR FY97 DEVELOPMENTAL TEST AND EVAULATION (DT&E) 4TH QTR FY97 MS11 A-LOW RATE INITIAL PRODUCTION (LRIP) 2ND QTR FY97 INITIAL OPERATIONAL TESTING AND EVALUATION 3QTR FY98 MS III FULL RATE PRODUCTION 4TH QTR FY98 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs 2 2 2 2 3 Outputs 2 FY 2002 FY 2003 FY 2004 FY 2005 To Totals 2 Complete 3 Inputs Cont Cont Outputs Cont Cont METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 24 Months 3 Months Contract Dates: FY 1997 JAN97 FY 1998 JAN98 FY 1999 JAN99

OCT99

FY 1999

OCT00

FY 1998

Delivery Date:

FY 1997

DEC98

					IN	DIVIDUA	L MOD	IFICATION	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		M	OBILE	ELECT	RONI	C WAF	RFARE	SUPF	PORT	SYSTE	M (ME	WSS)	0003							
FINANCIAL PLAN: (\$ in Millions)																				
		1996 d Prior	- FV	1997	ΓV	1998	ΓV	1999	- FV	2000	ΓV	2001	I FV	2002	I 5V	2003	, -	ГС	TO	T A I
	Qty	\$	Qty	\$	Qty	\$	Qty	1999	Qty	2000 \$	Qty	\$	Qty	\$ \$	Qty	\$	Qty	\$	Qty	\$
RDT&E	حدب	Ψ	σ.,	Ψ	Q.y	Ψ	حدب	Ψ	۹۱۶	Ψ	ران	Ψ	αι,	Ψ	Q.y	<u> </u>	Q.y	T	Q.,	Ψ
PROCUREMENT			2		2		2		3		3								12	
Kit Quantity			_		_		_													
Inst Kits, Nonrecurring																				
et rate, recinedaning																				
Equipment, Nonrecurring				11.120		12.272		12.713		20.226		19.791		1.008						77.130
, ,																				
ECO																				
Other																				
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits					_	0.000														0.000
FY 1997 Eqpt Kits					2	2.028	_	0.400												2.028
FY 1998 Eqpt Kits							2	2.123	2	1 070										2.123
FY 1999 Eqpt Kits FY 2000 Eqpt kits									2	1.879	3	2.969								1.879 2.969
FY 2000 Eqpt kits FY 2001 Eqpt kits											3	2.909	3	3.463						3.463
FY 2001 Eqpt kits FY 2002 Eqpt kits													اد	3.403						3.403
FY 2002 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost						2.028		2.123		1.879		2.969		3.463						12.462
Total Procurement Cost			2	11.120	2	14.300				22.105	3	22.760		4.471						89.592

INDIVIDUAL MODIFICATION Date February 1998 MODIFICATION TITLE: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER 0004 MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA DESCRIPTION / JUSTIFICATION: EQUIPMENT PROCURED UNDER THIS EFFORT WILL BE MODULAR AND ALLOW THE SYSTEM TO BE TASK ORGANIZED AND OPERATED IN THE AN/TSQ-207 HIGH MOBILITY DOWNSIZED DASC (WHICH REPLACED THE AN/TSQ-155(V) AND OE-334 ANTENNA COUPLER GROUP SHELTERS) OR EXTERNAL TO THE DASC OPERATIONS SHELTERS. IMPROVED CAPABILITIES INCLUDE AUTOMATED INTERFACES TO THE DCT. ATACC, PLRS, AFATDS, AND TCO. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 4 Months 3 Months Contract Dates: FY 1997 FEB 97 FY 1998 **NOV 97** FY 1999 OCT 98 Delivery Date: FY 1997 MAY 97 FY 1998 JAN 98 FY 1999 **JAN 99**

					INI	DIVIDUA	L MOD	IFICATIO	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		ΑN	N/TSQ-	155V I	MPRO	VED D	ASC ((IDASC) OE-3	34 AN	TENN	A COU	PLER	0004						
FINANCIAL PLAN: (\$ in Millions)		1996	1																	
		l Prior	FY ·	1997	FY ·	1998	FY	1999	FY	2000	FY:	2001	FY	2002	FY	2003		TC	ТС	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT																				***************************************
Kit Quantity			24		10		10		5		5		5		5					
Inst Kits, Nonrecurring																		Cont		Cont
Equipment, Nonrecurring				3.840		0.990		1.012		1.158		1.195		1.144		1.182				
ECO																				
Other				0.144		0.271		0.287		0.343		0.344		0.328		0.334				
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)				0.100		0.104		0.107		0.048		0.049		0.047		0.048				
Installment Cost				0.100		0.104		0.107		0.048		0.049		0.047		0.048			ļ	
Total Procurement Cost				4.084		1.365		1.406		1.549		1.588		1.519		1.564		Cont		Cont

February 1998 MODIFICATION TITLE: MRC-142 PRE-PLANNED PRODUCT IMPROVEMENT (PIP) 0005 MODELS OF SYSTEMS AFFECTED: MRC-142 Pre-Planned Product Improvement (PIP) DESCRIPTION / JUSTIFICATION: This Pre-Planned Product Improvement (PIP) for an Uninterrupted Power Source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the Digital Battle Field arena, the digital information carried by the MRC-142 will affect more than just the MRC-142. (Depending on the location of the MRC-142 an entire network of operations may be affected.) DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 1997 FY 1998 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 3 Months Contract Dates: FY 1997 FY 1998 FY 1999 JAN99 Delivery Date: FY 1997 FY 1998 FY 1999 APR99

INDIVIDUAL MODIFICATION

Date

					IN	DIVIDUA	AL MOD	IFICATIO	NC							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		MI	RC-14	2 PRE-	PLAN	NED PI	RODU	CT IMF	PROVI	EMENT	(PIP)	0005								
FINANCIAL PLAN: (\$ in Millions)			1																	
		1996 d Prior	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003	1 7	ГС	TOT	ΓΑΙ
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT Kit Quantity							486												486	
Inst Kits, Nonrecurring								0.073		0.031										0.104
Equipment, Nonrecurring								1.458												1.458
ECO																				
Other TRAINING SUPPORT SUPPORT EQUIPMENT TRAVEL								0.062 0.230 0.029		0.023										0.062 0.230 0.052
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY (TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost								1.852		0.054					<u> </u>	<u> </u>				1.906

	Exhibit	P-40, Budget	Item Justific	cation Sheet	:		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mari	ne Corps (1109) / Communications a	nd Electronic Equipmen	t (4) / 041				ITEMS LESS TH	AN \$2 MILLION MA	GTF C4I (P44850)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			0.3	0.4	2.4	1.2	0.6	0.5	0.4		5.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9
Initial Spares											
Total Proc Cost			0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The funds included in this budget line allow procurement of the following items.

*Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

* The Air Defense Communications Platform (ADCP) provides an interface between the AN/TPS-59 (V)3 and the HAWK missile system for tactical ballistic missile defense.

All of these items are Code A.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu		y/Serial No: orps (1109) / Com			em Nomenclature: ESS THAN \$2 MIL	LION MAGTF C4I		Weapon System	Туре:	Date: Septe	ember 1997
· ·	ID		Electronic	Equipment (4) / 0	41	FY 97	•		FY 98			FY 99	
Weapon System Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
OOST EIGHIGHTS					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JCSE Modernizatior	А				301	VAR	VAR	316	VAR	VAR	326	VAR	VAR
ADCP PIP	А							55	VAR	VAR	2156	VAR	VAF
TOTAL					301			371			2482		
						_							

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	Contombo	1007
Appropriation / Budget Activity/Serial No:	=xmon: ou, =uugot: roou.omo	Weapon Syst			P-1 Line Item	Nomenclature			September	1997
Procurement, Marine Corps (1109) / Communic Equipment (4) / 041	ations and Electronic						HAN \$2 MILLION	MAGTF C	4I (P4485)	0)
NBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is Dat
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
JCSE Modernization										
FY 97	VARIOUS	VAR	CECOM FT MONMOUTH N	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 98	VARIOUS	VAR	CECOM FT MONMOUTH N		VAR	VAR	VAR	YES	N/A	N/
- 7 99	VARIOUS	VAR	CECOM FT MONMOUTH N		VAR	VAR	VAR	YES	N/A	N/A
ADOD DID										
ADCP PIP										
FY 98	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/
FY 99	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/
										<u> </u>
REMARKS:										

	Exhibit	P-40, Budget	Item Justific	cation Sheet	t		Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipment	t (4) / 042				MODIFICA	ATION KITS (OTHE	R) (P44923)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			11.0	1.7							12.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			11.0	1.7							12.8
Initial Spares											
Total Proc Cost			11.0	1.7							12.8
Flyaway U/C											
Wpn Sys Proc U/C											

These modifications are for the purpose of correcting equipment deficiencies or to increase the operational capabilities of previously fielded end items.

This funding profile includes Tube Launched Optically Tracked Wire Guided Missile (TOW) sight modifications to bring various configurations of the UAS-12 series of night vision sights into a single configuration and to provide countermeasure protection to the gunners and equipment.

MOD TITLE: INSTALLATION:

TOW NIGHT SIGHT MCDEPOT BEGIN OCT 97/END MAR 99

MODELS OF SYSTEMS AFFECTED: AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS

Also included in this budget line is the Direct Air Support Central (DASC) Product Improvement Program (Pip), a non-developmental effort which will incorporate NDI, modified NDI, Automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include enhanced digital voice and data communication distribution system and automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO).

Item No. 30 Page 1 of 8

						C	ate				
		t P-40C Budget It	em Justifica						February 1998		
Appropriation / Budget A	•			P	2-1 Item Nomenclature	e					
	ent, Marine Corps (1109) / Communications	s and Electronic Equipment (4)					MODIFICAT	ION KITS (OTHER)	[P44923)		
Program Elements for Co	ode B Items		Code	Other Related Program	m Elements						
D		F:17/									
Description OSIP NO.	Classification	Fiscal Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
	IFICATIONS FOR THE UAS-12	SERIES OF SIGHTS		1 1 1330	1 1 1999	1 1 2000	1 1 2001	1 1 2002	1 1 2003	10	TOtal
MOD 1	UPGRADE	COLINIES OF GIGITIES	4.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.7
	PORT CENTER(DASC) PRODU	ICT IMPDOVEMENT	7.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
MOD 2	UPGRADE	DOT IMPROVEMENT	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
WOD 2	UFGRADE	***	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Totals			11.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	12.7
TOTALS			11.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	12.7
<u> </u>	kk							and the second s		***************************************	
								•			
		-1									
				- Annual Control of Co			000000000000000000000000000000000000000				

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	r/Serial No: orps (1109) / Comr Equipment (4) / 0			m Nomenclature: DDIFICATION KIT	S (OTHER) (P449	23)	Weapon System	Туре:	Date: Feb	ruary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Operator Selectable Filter Switch (OSF	А				986	326	3025						
Optical Improvement/Operator Selectabl Filter Kit (OI/OSF)	А				3043	137	22210						
Installation OSF & OI/OSF Kits *								1694					
Shelter Downsize PIF	А				3965	24	165208						
Digital Voice & Data Systems	А				1858	5	371600						
Harris Radios	А				582	24	24250						
Harris Radios ILS Pkg.	Α				31								
LMS-788 Shelters	Α				170								
Support Equipment	А				394								
*Includes installation of 349 TOW Sight Hardening Mods (TOSH Mods purchased prior to FY 1996													
TOTAL					11029			1694					

								Date:		
Exhibi	t P-5a, Budget Procurement								February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electron Equipment (4) / 042	ic	Weapon Syste	em Type:		P-1 Line Item		e: CATION KITS (OTH	HER) (P44	923)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Operator Selectable Filter FY 97	Brunswick Defense, Deland, FL	SS/FFP	МІСОМ	Jun-97	Mar-98	326	3025	YES	NO	N/A
Optical Improvement/Operator Selectable FY 97	Brunswick Defense, Deland, FL	SS/FFP	місом	Jun-97	Apr-98	137	22210	YES	NO	N/A
Harris Radios FY 97	MacDill AFB, FL	FFP	MacDill AFB, FL	Sep-97	Apr-98	24	24250	YES	NO	N/A
Digital Voice & Data Systems FY 97	McClellan AFB, CA	FFP	Mclellan AFB, CA	Sep-97	Dec-97	5	371600	YES	NO	N/A
Shelter Downsize PIP FY 97	NSWC Crane, IN	РО	Marine Corps Systems Command	Jun-97	Nov-97	24	165208	YES	NO	N/A

Program consists of three types of MOD kits: the OSF kit installs a filter wheel to defeat countermeasure threat and the OI/OSF mod kit provides improved mirrors, prisms, lenses, and detectors as well as the OSF mod to provide more accurate observation and target tracking. TOSH kit adds additional protection for the gunner and equipment.

TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS MOD 1 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: AN/UAS-12A,AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS DESCRIPTION / JUSTIFICATION: This modification program bring existing night sights into a single configuration which is compatible with new production sight. The program consists of three mod kits. Two kits are: the Operator Selectable Filter (OSF) kit and the Optical Improvement/Operator Selectable Filter (OI/OSF) kit. The OSF kit provides countermeasure protection by means of a filter wheel and multiple filters. The OI/OSF kit upgrades the original sights into the most current configuration with improved mirrors, prisms, lenses, and detectors, as well as the OSF mod. The third kit is the TOW Optical Sight Hardening Mod (TOSH) which adds additional protection for both the gunner and and equipment. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A *Part of the FY 1998 Input is from a buy prior to FY 1996 (349 Kits). Installation Schedule: Pr Yr FY 2000 FY 2001 FY 1997 FY 1998 FY 1999 Totals Inputs 203 203 203 203 Outputs 203 203 203 203 FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs 609 Outputs 812 METHOD OF IMPLEMENTATION: Depot (Barstow) ADMINISTRATIVE LEADTIME: Var. Months PRODUCTION LEADTIME: Var. Months Contract Dates: FY 1997 Various FY 1998 FY 1999

INDIVIDUAL MODIFICATION

February 1998

Date

FY 1999

FY 1998

Delivery Date:

FY 1997

Various

					IN	DIVIDUA	L MOE	DIFICATI	ON							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		TC	DW SIG	SHT M	ODIFIC	CATION	NS FC	OR THE	UAS-	12 SEF	RIES C	F SIGI	HTS M	OD 1						
FINANCIAL PLAN: (\$ in Millions)		1000	1																	
		1996 d Prior	FY ²	1007	FV	1998	FV	1999	FV	2000	FV	2001	FV	2002	FV	2003	1 7	С	TOT	-Δ1
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT Kit Quantity	-		463		-								-				-		463	
Inst Kits, Nonrecurring Inst Kits				4.029																4.029
Equipment, Nonrecurring																				
ECO																				
Other																				
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits					463	1.694													463	1.694
FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits																				
FY 2002 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost				4.055		1.694													463	
Total Procurement Cost			<u> </u>	4.029		1.694		<u></u>	<u> </u>		<u> </u>	<u></u>	<u> </u>		<u> </u>		<u> </u>			5.723

						IND	IVIDUA	L MODI	FICATI	ION							Date		Februa	ary 1998	
MODIFICATION TIT	LL.		AIR SU				(DAS	C) PR	ODUC	CT IMP	POVE	MEN	ТМО	D 2							
MODELS OF SYSTI	EMS AFF																				
			AN/TSQ	-155V	Improve	d DAS	C (IDAS	SC) OE-	-334 Ar	ntenna C	Coupler	Group									
DESCRIPTION / JU	STIFICAT	TON:																			
Task-oriented,	modula	r svste	ms will	opera	ate in t	he AN	√TSQ	-207 h	iah m	obility	downs	sized [DASC	. Impr	oved o	capabi	lities in	clude	enha	nced	ļ
digital voice an		•		•					_	•						•					ļ
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DEVELOPMENT OF		44 100 5		D1451	T N 411 F 6	TONE															
DEVELOPMENT ST																					
Prototype hardy			are will	unde	ergo an	ıalysis	and r	modific	cation	at Mai	rine Co	orps ta	actical	syste	ms su	pport a	activity a	and N	aval	Surfac	е
Warfare Center	, Crane,	, IN.																			
Installation Schedule	ə:																				
	Pr Yr		FY 19	97			FY 1	998			FY 1	999			FY 2	2000			FY	2001	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			5	24	24																
											.										
Outputs				5		24	24														l
		FY 2				FY 2				FY 2			<u> </u>	FY 2				То			Totals
_	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Con	nplete			
Inputs																					53
• • •													l								
Outputs METHOD OF IMPLE		FION				DIAIN	IOTD AT		A DTIM			N 4 11		PRODI	IOTION	11.540	TINAT		N 4 11		53
Contract Dates:	IMENTAL	-	FY 1997	,	Feb 199		_	FY 1998		E:	4 1	Months	•	FY 199		LEAD	I IIVIE:	3 1	Months	•	
Delivery Date:			FY 1997 FY 1997					FY 1998						FY 199							
Delivery Date.		,	- i 199 <i>i</i>		May 199	11		FT 1990	3					F1 198	19						

					IN	DIVIDUA	AL MOD	IFICATI	ON							Date		Febru	ary 1998	
MODIFICATION TITLE (Cont):		DIF	RECT AI	R SUPP	ORT C	ENTER(DASC)	PRODU	CT IMPI	ROVEME	ENT MC	DD 2								
FINANCIAL PLAN: (\$ in Millions)			_																	
		1996																		
		Prior	FY 1			1998		1999		2000		2001		2002		2003		ΓC	TO	
DDT	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT			20																20	
Kit Quantity			29	E 000															29	
Inst Kits, Nonrecurring				5.823																5.823
Equipment Negrocurries																				
Equipment, Nonrecurring Shelters				0.170																0.170
Harris Radios			24	0.170															24	1
Harris Radios			24	0.582															24	0.582
ECO																				
Other				0.425																0.425
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits																				
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
(FY(TC) Eqpt (xx kits)									1								1			
Installment Cost				7.000				-	1				<u> </u>			-	1			7.000
Total Procurement Cost				7.000				1												7.000

	Exhibit	P-40, Budget	Item Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:	•				
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipment	t (4) / 043				ITEMS LESS T	HAN \$2MILLION (O	THER) (P44750)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			3.2	3.2	4.3	3.8	3.8	1.7	1.9	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			3.2	3.2	4.3	3.8	3.8	1.7	1.9	Cont.	Cont.
Initial Spares											
Total Proc Cost			3.2	3.2	4.3	3.8	3.8	1.7	1.9	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

The funds included in this Roll-up Budget Line support the following Programs:

- * Power Supply Equipment. Provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries. It also provides DC voltage used in the maintenance of electronic equipment. (RCN: 040288)
- * Tools, Sets, Kits & Chests (TSK&C). Provides general purpose tools and support items used to support the installation, operation, and maintenance of weapon systems. (RCN: 040958)
- * Calibration Equipment. Provides calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc.
 (Note: RCN 140247 and RCN 145879 are combined into RCN 045879 in FY97.)
- * Global Positioning Survey (GPS). This line includes the Global Positioning Survey (GPSS) Device which is a Satellite Based Survey System that will improve responsiveness and accuracy of Marine Corps Artillery units by providing for quick, accurate, and common survey control through the battlefield.
- * M1A1 Intercom Systems. The new intercom system will be compatible with current armor communications systems.

Exhibit P-5, Weapon		Appropriation/ Bu					Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Cor Electronic E	rps (1109) / Comm Equipment (4) / 04	nunications and 13	ITEMS	LESS THAN \$2M	ILLION (OTHER) (I	P44750)			Febr	ruary 1998
Weapon System	ID			` ` ` ` ` ` ` ` `		FY 97			FY 98	-		FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
POWER SUPPLY TOOLS, SETS, KITS, AND CHESTS CALIBRATION EQUIPMENT GLOBAL POSITIONING SURVEY M1A1 TANK INTERCOM SYSTEM					1600 299 1273			1410 446 1093 235			1403 543 1126 360 900		
TOTAL					3172			3184			4332		

								Date:				
I	ļ	Exhibit P-40,	Budget I	tem Justific	ation Sheef	t		Date.		February 1998		
Appropriation / Budget Activity/S	Serial No:					P-1 Item Nomencla	ture:					
Procurement, Mar	ine Corps (1109) / Com	nunications and Electro	nic Equipment	(4) / 043				PO	OWER SUPPLY (A40	288)		1
Program Elements for Code B I	tems:			Code:	Other Related Prog	gram Elements:						
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost				1.6	1.4	1.4	2.1	2.1				Cont.
Less PY Adv Proc						!						ļ
Plus CY Adv Proc						<u>'</u>						
Net Proc (P-1)				1.6	1.4	1.4	2.1	2.1				Cont.
Initial Spares												
Total Proc Cost				1.6	1.4	1.4	2.1	2.1				Cont.
Flyaway U/C						<u>'</u>						i
Wpn Sys Proc U/C												1
Power Supply Equation without batteries. This Program is elast to 3. This program	It also provides	s DC voltage ເ plete and antiq	used in th	ne maintenan wer supplies	nce of electrons from the Ma	onic equipme arine Corps ir	ent. RCN: 04	40288 he same tim	ne reducing tl			

Exhibit P-5, Weapon		Appropriation/ Bu	-			P-1 Line Item	Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement		rps (1109) / Comm Equipment (4) / 04			POWER SUP	PLY (A40288)				Feb	ruary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Power Supply													
0-40 Volt	Α				1330	1022	1301						
24-28 Volt	А				220	87	2534	1047	413	2535	1057	350	3020
20-80 Volt	А							126	35	3600	252	70	3600
Logistics Support					50			237			94		
TOTAL					1600			1410			1403		
IOIAL					1600			1410			1403		

	Exhibit P-5a, Budget Procuremen	t History a	ind Planning						February ·	1998
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:		-	
Procurement, Marine Corps (1109) / Communication	ons and Electronic					P	OWER SUPPLY (A	40288)		
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Power Supply										
0-40 Volt										
FY 97	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Mar-97	Jun-97	1022	1301	Yes	N/A	N/A
24-28 Volt		0.77		D 67				.,		
FY 97	Aerospace Avionics, NY	C/FP	MCSC, Quantico, VA	Dec-97		87	2534		N/A	N//
FY 98	Aerospace Avionics, NY	C/FP	MCSC, Quantico, VA	Dec-97		413	2534		N/A	N//
FY 99	Aerospace Avionics, NY	C/FP	MCSC, Quantico, VA	Nov-98	Jun-99	350	3020	Yes	N/A	N/A
20-80 Volt										
FY 98	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA	Feb-98	Jun-98	35	3600	Yes	N/A	N/A
FY 99	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA	Feb-99	Jun-99	70	3600	Yes	N/A	N/A
REMARKS:										

Exhibit P-20, Requ	iromente Study	Approriation/Budge	t Activity/Serial No:				Date:		
· -			-					Febru	ary-98
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Power Supply (A40288)			5	Months			3	Months
Line Descriptions Power	Supply, 0-40 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			1022	?					
Unit Cost			1.3	3					
Total Cost			1330.0)					
Asset Dynamics									
Beginning Asset Position	on		1599	2782	3104	3104	3104	3104	3104
Deliveries from:	FY 1997 Funding		700	322					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains			483						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	'Attritions								
End of Year Asset Posi	ition		2782	3104	3104	3104	3104	3104	3104
Inventory Objective or Cur	rent Authorized Allowance		3104	3104	3104	3104	3104	3104	3104
Inventory Objective	Actual Training	Other th	nan Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
3104	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Exhibit P-20, Re	auiromonte Stu	dv	Approriation/Budget	Activity/Serial No:				Date:		
EXHIBIT F-20, Ne	quirements stu	luy	Procureme	ent, Marine Corps (1109	9) / Communications an	d Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature (Ir	nclude DODIC for Ammuniti	on Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Power Supply (A4				1	Months			7	Months
Line Descriptions Pov	ver Supply, 24-2	8 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				87	413	350	600	578		
Unit Cost				2.5		4.0	3.5	3.5		
Total Cost				220.0	1047.0	1000.0	2100.0	2023.0)	
Asset Dynamics										
Beginning Asset Pos	sition					100	850	1450	2028	2028
Deliveries from:	FY 1997	Funding			87					
Deliveries from:	FY 1998	Funding			13	400				
Deliveries from:	FY 1999	Funding				350				
Deliveries from Subs	sequent Years Funds	3					600	578		
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retiremer	nts/Attritions									
End of Year Asset P	osition				100	850	1450	2028	2028	2028
Inventory Objective or 0	Current Authorized A	llowance		2028	2028	2028	2028	2028	2028	2028
Inventory Objective	ve Actua	al Training	Other th	an Training	Disp	osals	Vehicles Eligible)	Aircraft:	
2028	Exp	enditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	· · · · · · · · · · · · · · · · · · ·	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:									Storage	

Eyhihit P-20 Poo	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
·	· · · · · · · · · · · · · · · · · · ·	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		Feb-98	
P-1 Line Item Nomenclature (Inc	lude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Power Supply (A40288)			4	Months			4	Months
Line Descriptions Power	er Supply, 20-80 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				35	70				<u> </u>
Unit Cost				3.6	3.6				
Total Cost				126.0	252.0				
Asset Dynamics									
Beginning Asset Posi	tion			32	67	137	137	137	137
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			35					
Deliveries from:	FY 1999 Funding				70				
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	s/Attritions								<u> </u>
End of Year Asset Po	sition			67	137	137	137	137	137
Inventory Objective or Co	urrent Authorized Allowance		137	137	137	137	137	137	137
Inventory Objective	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
137	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	1
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			-	Inactive Inv	
Total:								Storage	

	Exhibit	P-40, Budget	ltem Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications a	nd Electronic Equipment	t (4) / 043				TOOLS, SE	TS, KITS AND CHE	STS (A40958)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			0.3	0.4	0.5	0.5	0.5	0.4	0.6		Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.3	0.4	0.5	0.5	0.5	0.4	0.6		Cont.
Initial Spares											
Total Proc Cost			0.3	0.4	0.5	0.5	0.5	0.4	0.6		Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Tools, Sets Kits and Chests (TSK&C) includes general purpose tool sets and kits used at all echelons of maintenance to support the following principal end items. RCN: 040958

Motor Transport: Trucks, HMMWV's, Wreckers, Bus's, and the various items of repair and maintenance equipment contained in the repair shops.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Rock Crushers, Assault Craft, and the various items of repair and maintenance equipment assigned to the repair shops.

Ordinance: Tanks, LAV's, AAV's, Self-Propelled Howitzers, and the various items of repair and maintenance equipment assigned to the repair shops.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremen	nt, Marine Co	y/Serial No: orps (1109) / Comm Equipment (4) / 04	nunications and		Nomenclature: LS, SETS, KITS, A	AND CHESTS (A4	0958)	Weapon System	Туре:	Date: Feb	ruary 1998
Weapon System	ID			11 (/		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tool Set, Cummins Diesel	А				120	3	40000						
Tool Set, Detroit Diesel	Α				126	3	42000						
Tool Set, Allison Transmission	Α				8	3	2650						
Tool Set, Common No. 1	Α				45	3	15000	150	10	15000			
Tool Set, Common No. 2	Α							115	4	28750			
Tool Kit, Electro Optical	Α							181	72	2514			
Tool Set, Caterpillar	Α										425	17	25000
Tool Set, Containers	Α										118	19	6211
TOTAL								4.5					
IOTAL					299			446			543		

Exhibi	it P-5a, Budget Procureme	nt History a	nd Planning					Date:	F.1.	
Appropriation / Budget Activity/Serial No:	11 1-3a, Budget i Toculeillei	Weapon Syst	_		P-1 Line Item	Nomenclature	e:		Febr	uary 1998
Procurement, Marine Corps (1109) / Communications and Electron Equipment (4) / 043	ic					TOOLS, S	ETS, KITS, AND C	HESTS (A	40958)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Tool Set, Cummins Diesel										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	40000	Yes	N/A	N/A
Tool Set, Detroit Diesel										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	42000	Yes	N/A	N/A
Tool Set, Allison Transmission										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	2650	Yes	N/A	N/A
Tool Set, Common No. 1										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	15000	Yes	N/A	N/A
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	May-98	May-99	10	15000	Yes	N/A	N/A
Tool Set, Common No. 2										
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	May-98	May-99	4	28750	Yes	N/A	N/A
Tool Kit, Electro Optical										
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	May-98	May-99	72	2514	Yes	N/A	N/A
Tool Set, Caterpillar (MTVR)										
FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jan-00	17	25000	No	N/A	N/A
Tool Set, Containers										
FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jul-99	19	6211	No	N/A	N/A
REMARKS:										

REMARKS:

Exhibit P-20, Rec	uirements Study	Approriation/Budget	Activity/Serial No:				Date:			
	•	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	nt (4) / 043	February-98			
P-1 Line Item Nomenclature (Inc	lude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
	Tools, Sets, Kits, and Chests (A40958)			7	Months			19	Months	
Line Descriptions Tool	Set, Cummins Diesel		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary			3							
Unit Cost			40.0							
Total Cost			120.0							
Asset Dynamics										
Beginning Asset Posi	tion		15	15	15	18	18	18	18	
Deliveries from:	FY 1997 Funding				3					
Deliveries from:	FY 1998 Funding									
Deliveries from:	FY 1999 Funding									
Deliveries from Subse	equent Years Funds									
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirement	s/Attritions									
End of Year Asset Po	sition		15	15	18	18	18	18	18	
Inventory Objective or Co	urrent Authorized Allowance		18	18	18	18	18	18	18	
Inventory Objective	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:		
18	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX			-	Inactive Inv		
Total:								Storage		

Remarks: Build to AO.

Exhibit P-20, Requ	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:				
Exilibit F-20, Nequ	inements Study	Procureme	ent, Marine Corps (1109	9) / Communications an	d Electronic Equipme	nt (4) / 043		February-98			
P-1 Line Item Nomenclature (Includ	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:				
	ols, Sets, Kits, and Chests (A40958)			7	Months			19	Months		
Line Descriptions Tool S	Set, Detroit Diesel		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		
Buy Summary			3								
Unit Cost			42.0								
Total Cost			126.0								
Asset Dynamics											
Beginning Asset Position			14	14	14	17	17	17	17		
Deliveries from:	FY 1997 Funding				3						
Deliveries from:	FY 1998 Funding										
Deliveries from:	FY 1999 Funding										
Deliveries from Subseq	uent Years Funds										
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/	Attritions										
End of Year Asset Posit	tion		14	14	17	17	17	17	17		
Inventory Objective or Curr	rent Authorized Allowance		17	17	17	17	17	17	17		
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible)	Aircraft:			
17	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen		TOAI			
Assets Rqd for	96 thru	96 thru		96 thru				PAA:			
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI			
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res			
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI			
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv			
Total:			·	·	·			Storage			

Remarks: Build to AO.

Exhibit P-20, Requ	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:			
Exilibit F-20, Nequ	mements Study	Procureme	ent, Marine Corps (1109	9) / Communications ar	nd Electronic Equipme	nt (4) / 043		February-98		
P-1 Line Item Nomenclature (Includ	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
Too	ols, Sets, Kits, and Chests (A40958)			7	Months			19	Months	
Line Descriptions Tool S	Set, Allison Transmission		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary			3							
Unit Cost			3.0							
Total Cost			8.0							
Asset Dynamics										
Beginning Asset Position			14	14	14	17	17	17	17	
Deliveries from:	Deliveries from: FY 1997 Funding				3					
Deliveries from:	FY 1998 Funding									
Deliveries from:	FY 1999 Funding									
Deliveries from Subsequ	uent Years Funds									
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements//	Attritions									
End of Year Asset Posit	tion		14	14	17	17	17	17	17	
Inventory Objective or Curr	rent Authorized Allowance		17	17	17	17	17	17	17	
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:		
17	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:								Storage		

Remarks: Build to AO.

Exhibit P-20, Requ	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:			
Exhibit F-20, Requ	unements Study	Procureme	ent, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	nt (4) / 043	February-98			
P-1 Line Item Nomenclature (Inclu	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
	ools, Sets, Kits, and Chests (A40958)			7	Months			19	Months	
Line Descriptions Tool S	Set, Common No. 1		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary			3	10					1	
Unit Cost			15.0	15.0					1	
Total Cost			45.0	150.0						
Asset Dynamics										
Beginning Asset Position	on		434	431	428	438	437	437	437	
Deliveries from: FY 1997 Funding					3					
Deliveries from:	Deliveries from: FY 1998 Funding				10				i	
Deliveries from:	FY 1999 Funding									
Deliveries from Subsec	quent Years Funds									
Other Gains										
Combat Losses									·	
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/	/Attritions		3	3	3	1			•	
End of Year Asset Pos	ition		431	428	438	437	437	437	437	
Inventory Objective or Cur	rrent Authorized Allowance		437	437	437	437	437	437	437	
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible)	Aircraft:		
437	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	1	
Assets Rqd for	96 thru	96 thru		96 thru	,	·		PAA:	1	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	İ	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:						_		Storage		

Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.

Exhibit P-20, Require	amonte Study	Approriation/Budget	Activity/Serial No:				Date:			
Exhibit P-20, Require	ements study	Procureme	nt, Marine Corps (1109) / Communications ar	nd Electronic Equipme	ent (4) / 043		February-98		
P-1 Line Item Nomenclature (Include D	OODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
	Sets, Kits, and Chests (A40958)			3	Months			16	Months	
Line Descriptions Tool Set	, Common No. 2		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				4						
Unit Cost				29.0						
Total Cost				115.0						
Asset Dynamics										
Beginning Asset Position			96	95	94	97	97	97	97	
Deliveries from:	FY 1997 Funding									
Deliveries from:	FY 1998 Funding				4					
Deliveries from:	FY 1999 Funding									
Deliveries from Subsequer	nt Years Funds									
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/Att	ritions		1	1	1					
End of Year Asset Position	า		95	94	97	97	97	97	97	
Inventory Objective or Curren	t Authorized Allowance		97	97	97	97	97	97	97	
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	1	Aircraft:		
97	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement		TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:								Storage		

Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.

Exhibit P-20, Requirements Study	Approriation/Budget	Activity/Serial No:				Date:			
Exhibit F-20, Requirements Study	Procureme	ent, Marine Corps (1109) / Communications ar	nd Electronic Equipme	ent (4) / 043	February-98			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
Tools, Sets, Kits, and Chests (A40958	3)		2	Months			16	Months	
Line Descriptions Took Kit, Electro Optical		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary			72						
Unit Cost			2.5						
Total Cost			181.0						
Asset Dynamics									
Beginning Asset Position		530	520	510	572	572	572	572	
Deliveries from: FY 1997 Funding									
Deliveries from: FY 1998 Funding				72					
Deliveries from: FY 1999 Funding									
Deliveries from Subsequent Years Funds									
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions		10	10	10					
End of Year Asset Position		520	510	572	572	572	572	572	
Inventory Objective or Current Authorized Allowance		600	600	600	600	600	600	600	
Inventory Objective Actual Trainin	g Other th	an Training	Disp	osals	Vehicles Eligible	1	Aircraft:		
600 Expenditures	U	sage	(Vehicle	es/Other)	for Replacement	t	TOAI		
Assets Rqd for 96 thru	96 thru		96 thru				PAA:		
Combat Loads: FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt: FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline: FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other: FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:							Storage		

Remarks: Assets to replace washouts of high volume tool kit. Assets to maintain AO.

Exhibit P-20, Requirements Study				Approriation/Budget	Activity/Serial No:				Date:			
	<u> </u>			Procureme		9) / Communications an	nd Electronic Equipme	nt (4) / 043		February-98		
P-1 Line Item Nomencla	ature (Include DC	ODIC for Ammuni	tion Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
		ets, Kits, and Ch				3	Months			12	Months	
Line Descriptions	Tool Set,	Caterpilla	r (MTVR)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary							17					
Unit Cost							25.0					
Total Cost							425.0					
Asset Dynamics	et Dynamics											
Beginning Ass	et Position								17	17	17	
Deliveries from	۱:	FY 1997	Funding									
Deliveries from	n:	FY 1998	Funding									
Deliveries from	1 :	FY 1999	Funding					17				
Deliveries from	n Subsequen	t Years Fund	ls									
Other Gains												
Combat Losse	S											
Training Losse	S											
Test Losses												
Other Losses												
Disposals/Reti	rements/Attri	itions										
End of Year As	sset Position							17	17	17	1	
Inventory Objectiv	e or Current	Authorized A	Allowance		20	20	20	20	20	20	20	
Inventory O	bjective	Actu	ıal Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:		
20		Exp	penditures	Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI		
Assets Rqd for		96 thru		96 thru		96 thru				PAA:		
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	_	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv		
Total:										Storage		

Exhibit P-20, Re	auiromonte 9	Study	Approriation/Budget	Activity/Serial No:				Date:			
EXHIBIT P-20, Re	equirements .	Siddy	Procureme	nt, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	nt (4) / 043		February-98		
P-1 Line Item Nomenclature (In	nclude DODIC for Amm	nunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
	Tools, Sets, Kits, and	Chests (A40958)			3	Months			18	Months	
Line Descriptions Too	ol Set, Contain	ners		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary						19					
Unit Cost						6.0					
Total Cost						118.0					
Asset Dynamics											
Beginning Asset Po	sition							19	19	19	
Deliveries from:	FY 1997	Funding									
Deliveries from:	FY 1998	Funding									
Deliveries from:	FY 1999	Funding					19				
Deliveries from Sub	sequent Years Fu	ınds									
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirement	nts/Attritions										
End of Year Asset F	Position						19	19	19	19	
Inventory Objective or	Current Authorize	d Allowance		20	20	20	20	20	20	20	
Inventory Objecti	ve A	ctual Training	Other the	an Training	Disp	osals	Vehicles Eligible)	Aircraft:		
20	1	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI		
Assets Rqd for	96 thru		96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	(FY XXXX		FY XXXX		FY 1998		TAI		
WRM Rqmt:	FY XXXX	(FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	(FY XXXX		FY XXXX				Inactive Inv		
Total:									Storage		

	Exhibit	P-40, Budget	ltem Justific	cation Sheet			Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	iture:					
Procurement, Mai	rine Corps (1109) / Communications	and Electronic Equipmen	t (4) / 043						CALIBRATION EC	QUIPMENT (A45879)	
Program Elements for Code B Items: Code: Other Related Program Elements:											
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			1.3	1.1	1.1	1.2	1.2	1.2	1.3	N/A	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			1.3	1.1	1.1	1.2	1.2	1.2	1.3	N/A	Cont.
Initial Spares											
Total Proc Cost			1.3	1.1	1.1	1.2	1.2	1.2	1.3	N/A	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Calibration Equipment provides the calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc. RCN: 045879

The Calibration Equipment program provides the total logistic support, performs Program Management functions, and engineering support for:

- Support of General Purpose and Special Purpose Test Measurement and Diagnostic Equipment (TMDE) required to perform corrective and preventive maintenance at all authorized levels of maintenance
- Calibration standards used at Marine Corps intermediate and depot level calibration laboratories to verify support TMDE measurement accuracy through traceability to the National Institute of Standards and Technology (NIST).

Exhibit P-5, Weapon		Appropriation/ Budge				Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement, M Ele	os (1109) / Comm quipment (4) / 04		С	ALIBRATION EQ	UIPMENT (A45879	9)			Febr	uary 1998
Weapon System	ID		/		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Calibration Equipment (Transportable Regional Calibration & Repair Complex) (7 shelters in 1 complex)				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CALTECS	Α			560	16	35000	480	16	30000	400	16	25000
Calibration Stations Wattmeter High Accuracy AC/DC Counter/Frequency Oscilloscope Multimeter	A A A			144	16	9000	128	16	8000	320	16	20000
Automotive Low Frequency Shared Comm Test Set/Signal Generator Low Microwave Attenuation High Microware Attenuation Microwave	A A A			80 64	16 16	5000 4000	80	16	5000	160	16	10000
Microwave Shared Hign Frequency Signal Generator Flow Torque Pressure Dimensional Mechnical Shared Cleaning Force/Mass	A						160	16	10000	24	16	1500
Repair Stations Meters Automotive Microminiature Soldering Digital/IC Oscilloscope Counters	А									60	16	3750
Signal Generators/Receivers Ancillary Support Items	А			104	16	6500						
Logistics Support				321			245			162		
TOTAL				1273			1093			1126		

Full	hibit D. Eo. Dudwat Dugaring	I liatam - a	and Diamaina					Date:		
	hibit P-5a, Budget Procurement				1				February	1998
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele Equipment (4) / 043	ectronic	Weapon Syst	em Type:		P-1 Line Item	Nomenclature CALIB	e: RATION EQUIPME	NT (A458	79)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
CALTECS										
FY 97	Various	MIPR	FEDSIM, Falls Church,VA	Jun-97	Jun-98	16	35000	Yes	N/A	N/A
FY 98	Various	MIPR	FEDSIM, Falls Church,VA	Apr-98	Jun-98	16	30000	Yes	N/A	N/A
FY 99	Various	MIPR	FEDSIM, Falls Church,VA	Apr-99	Jun-99	16	25000	Yes	N/A	N/A
Wattmeter										
FY 97	Hewlett Packard, San Rosa, CA	WR	NWS, Seal Beach, CA	Jun-97	Aug-97	16	9000	Yes	N/A	N/A
Counter/Frequency										
FY 98	твр	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	8000	Yes	N/A	N/A
Oscilloscope			, , , , , , , , , , , , , , , , , , , ,	1 4			-			,
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	20000	Yes	N/A	N/A
Multimeter										
FY 97	Fluke, Everret, WA	C/FP	NWS, Seal Beach, CA	May-97	Jul-97	16	5000	Yes	N/A	N/A
Comm Test Set/Signal Generator										
FY 97	Hewlett Packard, San Rosa, CA	C/FP	NWS, Seal Beach, CA	Jun-97	Aug-97	16	4000	Yes	N/A	N/A
Low Microwave Attenuation										
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	5000	Yes	N/A	N/A
High Microware Attenuation										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99		VAR	Yes	N/A	N/A
Dimensional										
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	10000	Yes	N/A	N/A

REMARKS:

	Exhibit P-5a, Budget Procuremen	nt History a	nd Planning					Date:	F - h	4000
Appropriation / Budget Activity/Serial No:	Exhibit 1 -3a, Budget 1 Toculeinei	Weapon Syst			D 1 Line Item	Nomenclature			February	1998
Procurement, Marine Corps (1109) / Communications : Equipment (4) / 043	and Electronic	weapon cyst	ет туре.		F-1 Line item		 RATION EQUIPME	NT (A458	79)	
NBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
iscal Years		and Type	<u> </u>		Delivery	Each	\$	Now?	Avail	
Cleaning										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	1500	Yes	N/A	N/A
Microminiature Soldering										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99	16	3750	Yes	N/A	N/A
Ancillary Support Items										
FY 97	Various	WR	NWS, Seal Beach, CA	Apr-97	Jul-98	16	6500	Yes	N/A	N/A
REMARKS:										

Evhibit P-20 Por	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
·		Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		February-98	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			8	Months			. 12	Months
Line Descriptions Watt	tmeter		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			16						
Unit Cost			9.0)					
Total Cost			144.0)					
Asset Dynamics									
Beginning Asset Pos	ition			16	16	16	16	16	16
Deliveries from:	FY 1997 Funding		16						
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	ts/Attritions								
End of Year Asset Po	osition		16	16	16	16	16	16	16
Inventory Objective or C	current Authorized Allowance		16	16	16	16	16	16	16
Inventory Objectiv	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Evhibit D-20 Do	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
		Procureme		9) / Communications an	nd Electronic Equipme	ent (4) / 043		February-98	
P-1 Line Item Nomenclature (In	nclude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months				Months
Line Descriptions Cou	inter/Frequency		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16					
Unit Cost				8.0					
Total Cost				128.0					
Asset Dynamics									
Beginning Asset Pos	sition				16	16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			16					
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	sequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremer	nts/Attritions								
End of Year Asset P	osition			16	16	16	16	16	16
Inventory Objective or 0	Current Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	ve Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Exhibit P-20, R	Poquiromont	e Study	Approriation/Budget	Activity/Serial No:				Date:		
EXHIBIT F-20, N	requirement	.s study	Procureme	ent, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature	(Include DODIC for	Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration E	quipment (A45879)			6	Months			2	Months
Line Descriptions Os	scilloscope			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						16				
Unit Cost						20.0				
Total Cost						320.0				
Asset Dynamics										
Beginning Asset F	Position						16	16	16	16
Deliveries from:	FY 19	97 Funding								
Deliveries from:	FY 19	98 Funding								
Deliveries from:	FY 19	99 Funding				16				
Deliveries from Su	ubsequent Years	Funds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirem	ents/Attritions									
End of Year Asset	Position					16	16	16	16	16
Inventory Objective o	r Current Autho	rized Allowance		16	16	16	16	16	16	16
Inventory Object	ctive	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible)	Aircraft:	
16		Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thr	u	96 thru		96 thru				PAA:	
Combat Loads:	FY XX	ΚXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY X	(XX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY X		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY X	(XX	FY XXXX		FY XXXX				Inactive Inv	
Total:									Storage	

Evhibit P-20 Por	quirements Study	Approriation/Budget	t Activity/Serial No:				Date:		
	-	Procurem	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		February-98	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			7	Months				Months
Line Descriptions Mult	imeter		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			16	i					
Unit Cost			5.0						
Total Cost			80.0						
Asset Dynamics									
Beginning Asset Pos	ition			16	16	16	16	16	16
Deliveries from:	FY 1997 Funding		16						
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	ts/Attritions								
End of Year Asset Po	osition		16	16	16	16	16	16	16
Inventory Objective or C	Current Authorized Allowance		16	16	16	16	16	16	16
Inventory Objectiv	e Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			-	Inactive Inv	
Total:		·				=		Storage	

Exhibit P-20,	Poquiromon	te Study	Approriation/Budget	Activity/Serial No:				Date:		
·	-		Procureme	nt, Marine Corps (1109	,	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclatur	re (Include DODIC for	Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
		quipment (A45879)	-			Months			. 2	Months
Line Descriptions C	comm Test S	et/Signal Generato	r	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				4.0						
Total Cost				64.0						
Asset Dynamics										
Beginning Asset	Position				16	16	16	16	16	16
Deliveries from:	FY 1	997 Funding		16						
Deliveries from:	FY 1	998 Funding								
Deliveries from:	FY 1	999 Funding								
Deliveries from S	Subsequent Year	s Funds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirer	ments/Attritions									
End of Year Asse	et Position			16	16	16	16	16	16	16
Inventory Objective	or Current Autho	rized Allowance		16	16	16	16	16	16	16
Inventory Obje	ective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16		Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 th	ru	96 thru		96 thru	·			PAA:	
Combat Loads:	FY X	XXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY X	XXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY X	XXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY X	XXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:			·			·			Storage	

Eyhihit P-20 Po	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
· ·		Procureme		9) / Communications an	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature (In	nclude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months				Months
Line Descriptions Low	Microwave Attenuation		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16					
Unit Cost				5.0					
Total Cost				80.0					
Asset Dynamics									
Beginning Asset Pos	sition				16	16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			16					
Deliveries from:	FY 1999 Funding								
Deliveries from Sub	sequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retireme	nts/Attritions								
End of Year Asset P	Position			16	16	16	16	16	16
Inventory Objective or 0	Current Authorized Allowance		16	16	16	16	16	16	16
Inventory Objecti	ve Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			-	Inactive Inv	
Total:								Storage	

Exhibit P-20	Require	ments St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>			Procureme		9) / Communications an	d Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomencla	ature (Include DC	DIC for Ammuni	ition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
		ration Equipmen	. ,			6	Months			3	Months
Line Descriptions	High Micr	owave Att	tenuation		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary							16				
Unit Cost							10.0				
Total Cost							160.0				
Asset Dynamics											
Beginning Asse	et Position							16	16	16	16
Deliveries from	1:	FY 1997	Funding								
Deliveries from	n:	FY 1998	Funding								
Deliveries from):	FY 1999	Funding				16				
Deliveries from	Subsequen	t Years Fund	ls								
Other Gains											
Combat Losses	s										
Training Losse	S										
Test Losses											
Other Losses											
Disposals/Retir	rements/Attri	tions									
End of Year As	set Position						16	16	16	16	16
Inventory Objectiv	e or Current	Authorized A	Allowance		16	16	16	16	16	16	16
Inventory Of	bjective	Actu	ual Training	Other that	an Training	Disp	osals	Vehicles Eligible)	Aircraft:	
16		Exp	penditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	-
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	·
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Exhibit P-20	Require	ments St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>			Procureme) / Communications an	d Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomencla	ature (Include DC	DIC for Ammuni	ition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
		ration Equipmen	nt (A45879)			6	Months			3	Months
Line Descriptions	Dimensio	nal			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						16					
Unit Cost						10.0					
Total Cost						160.0					
Asset Dynamics											
Beginning Asse	et Position						16	16	16	16	16
Deliveries from	1:	FY 1997	Funding								
Deliveries from	n:	FY 1998	Funding			16					
Deliveries from	1:	FY 1999	Funding								
Deliveries from	Subsequen	t Years Fund	ls								
Other Gains											
Combat Losses	S										
Training Losse	S										
Test Losses											
Other Losses											
Disposals/Retir	rements/Attri	tions									
End of Year As	sset Position					16	16	16	16	16	16
Inventory Objectiv	e or Current	Authorized A	Allowance		16	16	16	16	16	16	16
Inventory Ol	bjective	Actu	ual Training	Other that	an Training	Dispo	osals	Vehicles Eligible)	Aircraft:	
16		Exp	penditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX]		Inactive Inv	
Total:										Storage	

Exhibit P-20,	Requires	nante Sti	udv	Approriation/Budget	Activity/Serial No:				Date:		
•				Procureme		9) / Communications an	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclat	ture (Include DOD	IC for Ammuni	tion Items):		Admin Leadtime (after	er Oct 1):	•		Prod Leadtime:		•
	Calibra	ation Equipmen	t (A45879)			6	Months			2	Months
Line Descriptions	Cleaning				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary							16				
Unit Cost							2.0				
Total Cost							24.0				
Asset Dynamics											
Beginning Asse	t Position							16	16	16	16
Deliveries from:	: I	FY 1997	Funding								
Deliveries from:	: F	FY 1998	Funding								
Deliveries from:	: [-Y 1999	Funding				16				
Deliveries from	Subsequent	Years Fund	s								
Other Gains											
Combat Losses	3										
Training Losses	5										
Test Losses											
Other Losses											
Disposals/Retire	ements/Attriti	ons									
End of Year Ass	set Position						16	16	16	16	16
Inventory Objective	e or Current A	uthorized A	Allowance		16	16	16	16	16	16	16
Inventory Ob	jective	Actu	ıal Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16			penditures	Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	Ç	96 thru		96 thru		96 thru		-		PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	ı	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:								<u>-</u> '		Storage	

Evhibit D-20 Do	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•	-	Procureme		9) / Communications ar	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature (Ir	nclude DODIC for Ammunition Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			. 6	Months			. 15	Months
Line Descriptions Mic	rominiature Soldering		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					16				
Unit Cost					4.0				
Total Cost					60.0				
Asset Dynamics									
Beginning Asset Pos	sition					16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				16				
Deliveries from Subs	sequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremer	nts/Attritions								
End of Year Asset P	osition				16	16	16	16	16
Inventory Objective or 0	Current Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	ve Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:					- 			Storage	

Exhibit P-20, R	oquiromonto	Study	Approriation/Budget	Activity/Serial No:				Date:		
·	_	-	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature ((Include DODIC for An	nmunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
		pment (A45879)			6	Months			. 15	Months
Line Descriptions An	cillary Suppo	rt Items		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				7.0						
Total Cost				104.0						
Asset Dynamics										
Beginning Asset Po	osition					16	16	16	16	16
Deliveries from:	FY 199	7 Funding			16					
Deliveries from:	FY 199	8 Funding								
Deliveries from:	FY 199	9 Funding								
Deliveries from Sub	bsequent Years F	unds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retireme	ents/Attritions									
End of Year Asset	Position				16	16	16	16	16	16
Inventory Objective or	Current Authoriz	ed Allowance		16	16	16	16	16	16	16
Inventory Object	tive	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
16		Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXX	(X	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XX	(X	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XX>	(X	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XX	(X	FY XXXX		FY XXXX				Inactive Inv	
Total:									Storage	

i	E 192	D 40 D 1		-1' 011			Date:				
		P-40, Budget I	tem Justific	ation Sheet					February 1998		
Appropriation / Budget Activity/S					P-1 Item Nomencla	ture:					
	larine Corps /Communications and Ele	ectronic Equipment / P44					Globa	al Positioning Survey	(GPS)		
Program Elements for Code B It	tems:		Code:	Other Related Prog	gram Elements:						
	D: V		E)/ 4007	F)/ 4000	E)/ 4000	F)/ 0000	E)/ 0004	E)/ 0000	F) / 0000	T 0 11	T / ID
Drog Oty	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty Gross Cost				0.2	0.4						0.6
Less PY Adv Proc				0.2	311						0.0
Plus CY Adv Proc											
Net Proc (P-1)				0.2	0.4						0.6
Initial Spares				0.2	0.1						
Total Proc Cost				0.2	0.4						0.6
Flyaway U/C											
Wpn Sys Proc U/C											
	ts by providing for quic	x, accorded, air		divey control	anoughtale	Batteriola.	NON. 14074				

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement, I	Marine Corp	//Serial No: os /Communication nent / P4475043	ns and Electronic		em Nomenclature: Global Positioni	ng Survey (GPS)		Weapon System	Туре:		uary 1998
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Global Positioning Survey	A				\$000	Each	D	235					20000
TOTAL								235			360		

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:		
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	9:		February ²	1998
Procurement, Marine Corps /Communications and Electron / P4475043	nic Equipment						bal Positioning Surv	ey (GPS)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Global Positioning Survey										
FY 98	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-98	Aug-98	12	19583	Yes	N/A	N/A
FY 99	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-99	Aug-99	18			N/A	N/A
	,									
REMARKS:			<u>I</u>					1	ı	ı
NEWARRO.										

Evhibit D-20 Po	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
EXHIBIT F-20, Ne	quirements Study	Procure	ement, Marine Corps /C	ommunications and Ele	ectronic Equipment / P	4475043		February-98	
P-1 Line Item Nomenclature (In	clude DODIC for Ammunition Items)	:	Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Global Positioning Survey (GPS)			5	Months			5	Months
Line Descriptions Glob	oal Positioning Survey	,	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				12	18				<u> </u>
Unit Cost				20.0	20.0				
Total Cost				240.0	360.0				
Asset Dynamics									
Beginning Asset Pos	ition		40	40	52	70	70	70	70
Deliveries from:	FY 1997 Funding	g							
Deliveries from:	FY 1998 Funding	g		12					
Deliveries from:	FY 1999 Funding	g			18				
Deliveries from Subs	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	ts/Attritions								<u> </u>
End of Year Asset P	osition		40	52	70	70	70	70	70
Inventory Objective or C	Current Authorized Allowand	e	100	100	100	100	100	100	100
Inventory Objectiv	re Actual Train	ing Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
100	Expenditure	es U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	1
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:					·			Storage	1

	Exhibi	t P-40, Budget I	tem Justific	cation Sheet	t		Date:		February 1998		
Appropriation / Budget Activity					P-1 Item Nomencla	ture:	ļ				
Procurement, N	Marine Corps /Communications and E	Electronic Equipment / P447	5043						TANK INTER	RCOM SYSTEM	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					160						160
Gross Cost					0.9						0.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)					0.9						0.9
Initial Spares											
Total Proc Cost					0.9						0.9
Flyaway U/C											0.0
Wpn Sys Proc U/C			1		.0						.0
Armor Communic	eure Intercom Systems cation System.	TOT THE WITAT TO	ITIK to replac	e an obsolet	e system. i	ne system v	will be comp	aubie wiii G	All ent		

Exhibit P-5, Weapon		Appropriation/ Bu				P-1 Line Ite	m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,	Marine Corp Equipm	s /Communication ent / P4475043	s and Electronic		Vehicle Inter	com System				Febi	ruary 1998
Weapon System	ID					FY 97			FY 98	8		FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Vehicle Intercom System											900	160	562
TOTAL											900		
VIAL											900		

								Date:		
Exhibit F	P-5a, Budget Procurement I								February ⁻	1998
Appropriation / Budget Activity/Serial No:		Weapon Syste	ет Туре:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps /Communications and Electronic Equipment / P4475043							Vehicle Intercom S	ystem		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
	Grumman, Baltimore, MD	Milstrip	USA CECOM, Ft. Monmouth	Oct-98					N/A	N/A
REMARKS:										

Exhibit P-20, Req	uirements Study	Approriation/Budge	t Activity/Serial No:				Date:		
Exilibit F-20, Req	unements Study	Procurem	ent, Marine Corps (11	09) / Communications a	nd Electronic Equipme	nt (4) / 043		February-98	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:	-	
	Vehicle Intercom System				Months			15	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					160				
Unit Cost					5.6				
Total Cost					900.0				
Asset Dynamics									
Beginning Asset Positi	ion					160	160	160	160
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				160				
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition				160	160	160	160	160
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	nan Training	Disp	osals	Vehicles Eligible)	Aircraft:	
403	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			<u> </u>	Inactive Inv	
Total:						=		Storage	

FY 1998 / FY 1999 BUDGET F	PRO	DUCTIO	N SCI		F		P-1 I	tem No	meno	clature	:	,	/FHIC	LE IN	TERC	:OM S	YSTEI	м					Date	:			Fehri	uary 1	998		
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	Exhibit P-	40, Budget Item J	Justific	ation Sheet					February 1998		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomenclat	ture:					
Procurement, M	arine Corps (1109) / Communications and E	Electronic Equipment (4) / 044					AIR OPER	ATIONS C2 SYSTEM	/IS (P44447)		
Program Elements for Code B	Items:	Code:		Other Related Prog	ram Elements:						
	Prior Years	F	Y 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			10.9	9.1	11.5	3.0	5.5	2.6	5.0		47.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			10.9	9.1	11.5	3.0	5.5	2.6	5.0		47.6
Initial Spares			0.4	0.7	0.7	2.7					4.5
Total Proc Cost			11.3	9.8	12.2	5.7	5.5	2.6	5.0		52.1
Flyaway U/C											
Wpn Sys Proc U/C											

TAOM: The AN/TYQ-23(v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensores, power sources, support equipment, and personnel, provides the Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air date. Four Tactical Air Operations Modules consititues one system.

CTAPS: Provides the Commander the automated tools necessary to generate, disseminate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology. It is fielded to all four Marine Air Command squadrons (MTACS) and the supporting establishment.

The Advanced Tactical Air Command Central (ATACC) is a transportable command, control, and communications system designed to provide the Aviation Combat Element (ACE) Commander with the capability to plan, coordinate, and direct Marine air Ground Task Force (MAGTF) tactical air operations. ATACC provides computer assistance to Marine Corps planners and operators to facilitate coordination of air battle planning and execution.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Boundary Procurement,	Marine Corp	y/Serial No: os /Communication nent / P4444044	ns and Electronic		m Nomenclature: Air Operations C2	Systems (P44447	·)	Weapon System	Туре:	Date: Feb	ruary 1998
Weapon System	ID		- 1			FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Oct Flomonto					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tactical Air Operations Moduel (TAOM)	А				8160			9108			10033		
Contingency Theater Automated Planning (CTAPS)	А				340						1472		
Advance Tactical Air Command Control (ATACC)	А				2429								
TOTAL					10929			9108			11505		
Active Total Reserve Total					(10929) (0)			(9108) (0)			(8305) (3200)		

	Exhibit P-4	40, Budget I	tem Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications and E	lectronic Equipment	(4) / 044				Tactical A	Air Operations Modu	ile (TAOM)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			1	12	14						27
Gross Cost			8.2	9.1	10.0	2.7	4.5	2.3	4.1		40.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			8.2	9.1	10.0	2.7	4.5	2.3	4.1		40.9
Initial Spares			0.2	0.6	0.7	2.7					4.2
Total Proc Cost			8.5	9.7	10.7	5.4	4.5	2.3	4.1		45.1
Flyaway U/C											
Wpn Sys Proc U/C			8.245	0.758	0.714						

- 1. The AN/TYQ-23 (v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the U. S. Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitutes one system.
- 2. This is a collection of efforts and an evolutionary acquisition stragety, encompassing ECPs and incorporation of COTS equipment into the existing Tactical Air Operations Center (TAOC) platform. This initiative upgrades the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), operator console units, and the TPS-59 Radar interface, representing four major elements.
- 3. These upgrades open up the system architecture, provide and automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates TADIL-J upgrade.

Note: TAOM FY96 & Prior Funded in BLI 459400

Exhibit P-5, Weapon WPN SYST Cost Analysis		Marine Co	//Serial No: rps (1109) / Comm Equipment (4) / 02			m Nomenclature: CAL AIR OPS MO	DULE (TAOM) (P		Weapon System	Туре:	Date: Feb	uary 1998
Weapon System	ID		4		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
OCU UPGRADES				7407	1	7407000	8100	12	675	9450	14	675
VOICE GATEWAY												
GSA/WWT												
SUPPORT EQUIPMENT				243			50			50		
CONTRACTOR ENGINEERING SUPPORT				362			637			283		
SAAWF WARRANTY												
TAD				50			25			50		
MCTSSA TSP				98			296			200		
TOTAL Active Reserve				8160			9108			10033 (7033) (3000)		

Method and Type Dat	Evhil	hit P.5a Rudget Procureme	nt History	and Dianning					Date:		
Procurement, Merine Corps (1199) Communications and Electronic Electronic (14) / (24) Contractor and Location Contractor and Location Contractor and Location of PCO Award Date Date of First CTY Unit Cost S April Policy P		bit P-5a, Budget Procureme				D 4 Line Hear	Name and dates			February	1998
WBS Cost Elements: Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location Method and Type Contractor and Location of PCO Award Date Date of First GTY Unit Cost Specta Reven Now7 Avail Contractor and Location Now7 Avail Contractor and Location Now7 Avail Contractor and Location Now7 Avail Contractor and Location Now7 Avail Contractor and Location Now7 Avail Contractor and Location Now7 Avail Contractor and Location of PCO Award Date Date of First GTY Unit Cost Specta Now7 Avail Contractor and Location Now7 Avai	Procurement, Marine Corps (1109) / Communications and Electronic	onic	Weapon Syst	еш туре.		P-1 Line item			(TAOM) ((P44003)	
Fixed Years ANTYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM OCU UPGRADES FY 97 FY 98 FY 99 Culantico, VA Cot-96 Cot-98 FY 99 Cot-98 C		Contractor and Location		Location of PCO	Award Date	Date of First			Specs	Date	RFP Iss
ANTYO-29 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM OCU UPGRADES LITTON DATA SYSTEM Agoura Hills, CA SSCPFF QUANTICO, VA Oct-96 Jun-97 1 7407 YES NO N// Apr-98 Apr-99 12 675 YES NO N// Oct-99 14 675 YES NO N// Oct-99 14 675 YES NO N//	Fiscal Years					Delivery	Each	\$			Date
REMARKS:	AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM OCU UPGRADES FY 97 FY 98 FY 99			QUANTICO, VA	Apr-98	Jun-97 Apr-99	12	675	YES	NO	N/A N/A N/A
	REMARKS:										

Exhibit P-20, Req	uiromonte Study	Approriation/Budge	Activity/Serial No:				Date:		
Exilibit F-20, Neq	unements Study	Procurem	ent, Marine Corps (1109	9) / Communications an	d Electronic Equipme	nt (4) / 044		February 1998	
P-1 Line Item Nomenclature (Incl	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
AIR	COPERATIONS C2 SYSTEMS (P44447)			3	Months			10	Months
Line Descriptions	TAOM		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			1	12	14				
Unit Cost			8160.0	759.0	716.6				
Total Cost			8160.0	9108.0	10033.0				
Asset Dynamics									
Beginning Asset Posit	ion		1	2	2	14			
Deliveries from:	FY 1997 Funding		1						
Deliveries from:	FY 1998 Funding				12				
Deliveries from:	FY 1999 Funding					14			
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		2	2	14	28			
Inventory Objective or Cu	ırrent Authorized Allowance								
Inventory Objective	e Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
42	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru	•	-		PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			· -	Inactive Inv	
Total:								Storage	

FY 98 / 99 BUDGET PROD	OUC	CTION SC	HED	ULE			P-1	Item N	lomen		e: ACTIC	AL AIR	OPS	MODL	JLE (T	ГАОМ) (P44	003)					Dat	e:			Fe	bruar	y 199	В		
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FY 98 / 99 BUDGET PROD	ouc	CTION SC	HED	ULE			P-1	Item N	omen		e: CTICA	L AIR	OPS I	MODU	ILE (TA	AOM)	(P440	003)					Date	i:			Febr	uary 1	998		
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	Exhibi	t P-40, Budget I	tem Justific	ation Sheet	•				February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	ine Corps (1109) / Communications	and Electronic Equipment	(4) / 044					CTAPS (A44033)			
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
				<u> </u>							
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					5						5
Gross Cost			0.3		1.5	0.3	1.0	0.3	1.0		4.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.3		1.5	0.3	1.0	0.3	1.0		4.4
Initial Spares			0.1	0.1							0.2
Total Proc Cost			0.4		1.5	0.3	1.0	0.3	1.0		4.6
Flyaway U/C											
Wpn Sys Proc U/C					0.300						

CTAPS is a system which provides the Commander the automated tools necessary to generate, dissemenate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology. It is fielded to all four Marine Tactical Air Command Squadrons (MTACS) and the supporting establishment with MCTS

Marine Corps Tactical System Support Activity (MCTSSA) and Marine Corps Communications Electronics School (MCCES) sharing a full system.

Note: CTAPS FY 96 & Prior Funded in BLI 459700.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Marine Co	//Serial No: rps (1109) / Comn Equipment (4) / 04		P-1 Line Ite	m Nomenclature: CTAPS	(A44033)		Weapon System	Туре:	Date: Feb	ruary 1998
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTAPS Hardware (Sun Sparc)										1000	5	200000
Intergrated Logistics Support										200		
Program Management Support										272		
Contractor Support				340								
TOTAL Active Component Reserve Component				340						1472 (1272) (200)		

								Date:		
Exhibit F	P-5a, Budget Procurement I								February ⁻	1998
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Electronic							CTAPS (A4403	3)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		Method and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
CTAPS Hardware	TBD		MARCORSYSCOM	Jan-99		5		NA	NA	NA
REMARKS:										

	Exhib	oit P-40, Budget	Item Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, M	farine Corps (1109)/Communication	s and Electronic Equipment	(4) / 044				ADVANCED TACTI	CAL AIR COMMAND	CENTRAL (ATAC	C)	
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			5								
Gross Cost			2.4								2.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.4								2.4
Initial Spares											
Total Proc Cost			2.4								2.4
Flyaway U/C											
Wpn Sys Proc U/C			0.480								

Advanced Tactical Air Command Central (ATACC) provides automated data exchange and processing of tactical information; automated generation of Air Tasking Orders (ATOs) by integrating Contingency Theater Automated Planning System (CTAPS) and computer assistance in maintaining status information. Planners and operators have access to information from a shared database which is automatically updated by messages received from TADIL-A, TADIL-B, NATO Link-1, TADIL-J, and JICS/MTF.

ATACC maximizes use of non-developmental hardware and software items. ATACC hardware is 95 percent NDI or modified NDI. Software is 65 percent NDI. Developed software is written in Ada as directed by DOD. The MS III decision in March 1994, redefined the program to a three phase evolutionary acquisition. Phase I provides the initial capability and uses the existing prototype four shelter per MEF system reconfigured and upgraded to a one shelter per MEF system, plus software fixes required by the operational test, purchase of CTAPS, and a replacement for the current bubble shelter. Two additional non-deployable systems are required for training and software integration. The ATACC replaces the 1960s technology of the AN/TYP-1 AND AN/TYQ-3A.

Note: ATACC FY 96 & Prior Funded in BLI 459700.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procurement,		s and Electronic Equ		m Nomenclature:	ATACC		Weapon System	Type:	Date: Feb	ruary 1998
Weapon System	ID		-		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Advanced Tactical Air Command Central ATACC)				2429	5	485800						
TOTAL				2429								

Ext	nibit P-5a, Budget Procurement	t History a	and Planning					Date:	February	1998		
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele Equipment (4) / 044		Weapon Syst		e: ATACC								
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date		
Advanced Tactical Air Command Control (ATACC) FY 97	MarCorSysCom, Quantico, VA	FFP	MARCORSYSCOM Quantico, VA	Aug-97	Mar-98	5	485800	YES	NO	N/A		
REMARKS:												

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